Construction News

NOVEMBER BUILDING RETURNS

Although normally at this time of the year building operations are usually light, this month's figures compiled from 65 cities all over the country, show that building permits filed practically double what they did a year ago last November. Our figures show that about $52,000,000 worth of permits were granted during last month against about $26,000,000 one year ago. During the first part of this year building permits were way below what they were a year ago. Our records for September show that we had about $57,000,000 permits less granted for the first eight months of the year than we did in 1914. November's figures show that we have caught up all this difference, and are now about $5,000,000 ahead of last year. The doubling of value of the permits granted is general all over the country, with the exception of the Western States which showed an increase of only about $350,000. Below is given a table of contemplated building operations from representative cities throughout the country.

EASTERN STATES

	Month of November 1915	Month of November 1914	First Eleven Months of Year 1915	First Eleven Months of Year 1914
Albany, N. Y.	$588,305	$301,578	$4,313,130	$5,864,278
Bridgeport, Conn.	490,973	364,859	7,980,974	3,487,332
Buffalo, N. Y.	788,000	498,000	10,897,000	10,362,006
Elizabeth, N. J.	166,609	98,388	1,050,081	1,313,415
Harrisburg, Penn.	84,275	34,000	.....	.....
Hartford, Conn.	707,709	399,385	5,285,305	3,759,876
Hoboken, N. J.	90,580	1,650	682,014	767,327
Jersey, N. J.	610,758	176,804	4,825,081	3,307,770
Newark, N. J.	641,385	373,427	7,822,132	9,165,777
New Bedford, Mass.	135,119	144,700	3,113,898	2,835,077
New Haven, Conn.	966,080	315,755	6,821,022	3,884,872
New York, N. Y.				
Bronx	3,107,900	314,750	25,897,950	20,045,343
Brooklyn	4,282,576	1,423,840	31,398,888	36,976,690
Manhattan	3,894,400	1,505,800	61,047,100	44,656,965
Queens	1,658,415	1,316,220	18,463,453	17,500,145
Passaic, N. J.	99,975	22,410	1,024,857	850,939
Paterson, N. J.	149,585	46,961	1,461,505	1,475,406
Philadelphia, Penn.	2,408,665	1,240,530	36,840,955	33,929,470
Pittsburgh, Penn.	663,312	777,368	10,341,414	14,721,582
Portland, Maine	115,200	77,050	1,519,329	1,136,295
Reading, Penn.	21,025	20,350	996,100	1,138,175
Rochester, N. Y.	817,254	397,830	8,458,833	8,369,658
Scranton, Penn.	322,164	88,852	1,693,264	1,640,757
Springfield, Mass.	650,050	179,502	5,455,391	4,707,532
Syracuse, N. Y.	608,324	235,365	4,302,321	2,693,570
Utica, N. Y.	151,035	95,300	2,022,570	1,707,795
Totals	$24,249,673	$10,362,474	$263,714,577	$236,298,052

SOUTHERN STATES

	Month of November 1915	Month of November 1914	First Eleven Months of Year 1915	First Eleven Months of Year 1914
Atlanta, Ga.	$284,647	$228,104	$4,330,180	$4,482,628
Birmingham, Ala.	121,904	76,710	1,708,926	3,042,943
Chattanooga, Tenn.	52,532	28,258	526,935	1,047,137
Ft. Worsh, T.s.	124,243	104,840	1,085,667	1,920,418
Houston, Tex.	179,461	76,912	1,595,814	3,372,531
Louisville, Ky.	246,030	139,900	3,596,915	4,201,415
Memphis, Tenn.	191,485	133,275	2,586,098	2,894,564
Norfolk, Va.	138,926	64,255	1,666,731	2,060,611
Richmond, Va.	275,251	130,638	2,959,565	3,070,843
Tampa, Fla.	100,335	54,361	.....	.....
Washington, D. C.	594,925	419,544	11,197,505	8,529,744
Totals	$2,309,739	$1,667,372	$31,254,336	$34,622,834

CENTRAL STATES

	Month of November 1915	Month of November 1914	First Eleven Months of Year 1915	First Eleven Months of Year 1914
Akron, Ohio	$535,105	$171,585	$4,281,170	$3,597,580
Canton, Ohio	138,250	43,675	1,844,690	1,557,415
Chicago, Ill.	10,861,600	6,513,150	88,152,280	77,048,060
Cincinnati, Ohio	790,965	336,210	12,198,679	8,576,113
Cleveland, Ohio	2,434,715	2,153,645	29,590,699	26,092,185
Columbus, Ohio	347,350	377,385	4,819,995	5,889,861
Davenport, Iowa	33,143	57,075	.....	.....
Duluth, Minn.	204,371	189,510	2,540,893	2,798,828
Evansville, Ind.	277,383	57,086	1,316,025	1,270,390
Grand Rapids, Mich.	335,325	171,425	2,544,217	3,496,169
Indianapolis, Ind.	438,823	265,190	6,550,188	7,573,348
Kansas City, Kan.	86,802	50,435	926,654	1,039,138
Kansas City, Mo.	724,115	341,220	10,074,880	9,980,370
Milwaukee, Wis.	1,132,925	591,583	11,588,596	9,390,511
Minneapolis, Minn.	1,539,225	703,615	16,054,831	14,693,125
Oak Park, Ill.	259,420	216,140	3,033,233	2,158,880
Omaha, Neb.	656,075	133,583	4,937,175	4,393,981
Peoria, Ill.	197,575	600,200	.....	.....
St. Louis, Mo.	782,943	650,029	10,800,043	12,188,618
St. Paul, Minn.	619,701	710,697	9,861,934	14,148,642
Toledo, Ohio.	535,750	276,676	7,364,249	5,945,237
Youngstown, Ohio.	203,790	79,275	2,463,242	2,817,816
Totals	$23,135,351	$12,689,398	$204,312,673	$214,676,267

WESTERN STATES

	Month of November 1915	Month of November 1914	First Eleven Months of Year 1915	First Eleven Months of Year 1914
Denver, Colo.	$312,085	$134,410	.....	.....
Los Angeles, Calif.	1,000,239	785,310	10,999,699	16,631,242
Oakland, Calif.	315,767	281,769	4,556,420	4,340,945
Salt Lake City, Utah	156,705	107,232	2,091,260	2,811,796
Spokane, Wash.	46,475	55,880	1,165,977	965,347
Tacoma, Wash.	140,305	270,655	800,116	2,116,251
Totals	$1,971,576	$1,635,256	$19,613,472	$26,865,581

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

New York—International Railway, Buffalo, applied to City Council for franchise to build a double-track extension on Washington St., between Ohio and Perry St., and on Ohio St., between Washington and Main St.

Pennsylvania—Harrisburg Traction Co. granted right-of-way by Council of East Berlin for a trackless trolley line between East Berlin and Dover. D. B. Noist, Harrisburg, Ch. Engr.

Pennsylvania—Slate Belt Electric Street Railway Co., Penn Argyl, contemplates 15 miles of new line from Wind Gap to Stroudsburg, Penn., during 1916. W. J. Mutton, Penn Argyl, Ch. Engr.

West Virginia—Manns Creek & Meadow River Co., recently incorporated with $100,000 capital stock, plans to build a railway from Chesapeake & Ohio Railway on east side of New River to Russellville, W. Va., about 10 or 15 miles. H. B. Smith, Charleston, interested.

North Carolina—Big Sandy & Cumberland R.R. contemplates line from Matney, N. C., to Grundy, Va., 10 miles. G. W. Litz, Gen. Mgr., Columbus, Ohio.

North Carolina—Roanoke River Ry. plans line from Townsville, N. C., to some point on Southern Ry., about 11 miles. G. W. Marrow, Pres. and Gen. Mgr., Townsville, N. C.

Georgia—Flemington, Hinesville & Western R.R. Co. plans to construct a railway from Hinesville to Glennville, Ga., about 22 miles. J. B. Way, Hinesville, Pres. and Gen. Mgr.

Georgia—Ocilla Southern R.R. having surveys made for extension line from Perry to Macon, about 30 miles. D. C. Smith, Ocella, Ga., Gen. Mgr.

Florida—Birmingham, Columbus & St. Andrews Ry. Co. plans extensions from Chipley to Graceville, Fla., 12 miles, and from Southport to Bunkers Cove, Fla., 23 miles. J. M. Owsley, Chipley, Fla., Audr. and R. D. Reeder, Chipley, Supervy.

Louisiana—Gulf, Sabine & Red River R.R. contemplates 35-mile extension of its line in Louisiana. This line is owned by the Lutcher & Moore Lumber Co., Orange, Tex.

Louisiana—New Iberia & Northern R.R. contemplates line from Oakland to New Orleans, La., 93 miles, from Port Barre, La., to Sabine River, 107 miles, with branches to salt mines at Weeks and Avery Islands. R. J. Lockwood, New Iberia, La., Vice-Pres. and Gen. Mgr.

Louisiana—Vicksburg, Alexandria & Southern Ry. contemplates extension from Thomas to Harrisonburg, La., about 50 miles. A. D. Alderson, Alexandria, La., Gen. Mgr.

Tennessee—Nashville Railway and Light Co. plans to build a branch line from the 19th St. line between Lillian and Rothschild St. into Shelby Park, Nashville. J. P. W. Brown, Nashville, Ch. Engr.

Kentucky—Kentucky Midland R.R. Co. plans to build an extension from Summers to Dawson Springs, via Earlington, Ky., about 22 miles. M. M. Wheeler, Central City, Gen. Mgr. and Asst. Treas.

Illinois—A movement is being agitated to have the Illinois Traction System construct a railway from Edwardsville east to Marine and Highland.

Illinois—Belleville & Mascoutah Traction Co. plans to construct about 10 miles of single-track line between Belleville and Mascoutah, Ill., during 1916. David O. Thomas, Belleville, Engr.

Iowa—Tri-City Railway and Light Co., Davenport, contemplates building an extension into the territory southeast of Moline. B. J. Denman, Davenport, Vice-Pres.

Kansas—Ft. Scott & Pittsburg Ry. plans to build a line from Ft. Scott to Pittsburg, about 36 miles. Proposed line will connect Ft. Scott, Garland, Arcadia, Mulberry, Frontenac and Pittsburg. H. A. Cooper, Redfield Bldg., Act. Secy.

Kansas—Lawrence, Topeka & Western R.R. Co., recently incorporated with $100,000 capital stock, will build electric railway from Lawrence to Topeka, Kan. W. R. Stubbs, interested.

South Dakota—John Rosholt, Minneapolis, Minn., is interested in project to build railway from Bruton, S. D., to Ortonville, Minn.

Missouri—Kansas City, Ozark & Southern Ry. contemplates extension of about 30 miles. John W. Byng, Ava, Mo., Audr. and Gen. Mgr.

Texas—Altus, Lubbock, Roswell & El Paso R.R. Co. contemplates line from Lubbock to Memphis, Tex., about 100 miles. E. C. Noble, Houston, Tex., Pres. and Gen. Mgr.

Texas—Asherton & Gulf Ry. plans to extend line from Asherton to Eagle Pass, Tex., 52 miles. L. V. Richardson, Asherton, Tex., Pres. and Gen. Mgr.

Texas—Beaumont Traction Co. plans to extend its Sabine St. line on Doucette St. to Grove St., Beaumont. E. J. Emerson, Beaumont, Gen. Supt.

Texas—Jefferson & Northwestern Ry. Co. abandoned plan to build line to Naples, Tex., and will construct extension to Kildare on Texas & Pacific Ry., about nine miles. H. B. Montgomery, Jefferson, Ch. Engr.

Texas—Marlin-Temple Interurban Promotion Co., recently organized, plans to promote the construction of an interurban railway from Marlin to Temple. S. D. Hanna, Temple, Ch. Engr. Noted Sept. 30.

Texas—Marshall & East Texas Ry. plans to build extension from Winnsboro to Paris, 60.5 miles, and from Elysian Fields to the Sabine River, 98 miles. V. Snyder, Marshall, Vice-Pres. and Gen. Mgr. Noted Aug. 19 and Dec. 2.

Texas—Trinity Valley & Northern Ry. plans to build extension from Lumm to Lamb, Tex., about nine miles. A. J. Wise, Houston, Ch. Engr.

Oklahoma—Clinton & Oklahoma Western Ry. plans extension from Clinton to Colony, about 30 miles. W. S. Haid, Gen. Mgr., Clinton, Okla.

Oklahoma—Henryetta, Oklahoma & Western Ry. Co. will build from Henryetta to Krusa, Dewar and other towns. R. D. Long, Muskogee, Okla., interested. Noted Oct. 14 and Nov. 18.

Oklahoma—It is reported that Indian Territory Illuminating Oil Co., Bartlesville, Okla., will have surveys made for interurban railway from Bartlesville to Pawhuska, Okla., about 20 miles.

Oklahoma—Oklahoma Ry. Co. contemplates extending line from Edmond to Guthrie, Okla., 15½ miles. George W. Knox, Oklahoma, Okla., Second Vice-Pres. and Gen. Mgr.

Oklahoma—Plans being considered by Oklahoma Union Traction Co., Tulsa, for 15 miles of interurban line between Tulsa and Sapulpa during 1916. G. B. Small, Tulsa, Ch. Engr.

Utah—Utah Light and Railway Co., Salt Lake City, applied for permission to extend its Capitol Hill line. G. H. Robinson, Deseret Bldg., Pur. Agt.

Oregon—Oregon-Washington R.R. & Navigation Co. and Oregon Short Line R.R. will change main line from Blalock to Coyote, Ore., by straightening curves and lowering grades, 36 miles. Estimated cost, $500,000. J. R. Holman, Portland, Ch. Engr. of Oregon-Washington R.R. & Navigation Co.

California—Plans of City Engineer for Church St. municipal railway between 18th and 22d St. of Municipal Railways of San Francisco approved by Board of Public Works. Proposed line will run through Mission Park from 18th to 20th St. over right-of-way acquired by city between 20th and 22d St. T. A. Cashin, San Francisco, Supt. and Claim Agt.

California—San Diego Electric Railway Co. plans to extend its line on University Ave. to Euclid Ave. William Clayton, Vice-Pres. and Gen Mgr.

Ontario—Plans being considered for hydro-electric railway from river front, Sombra, to all points from Wallaceburg to Sarnia. W. A. Scott, Bickford, Clk.

Bids In and Contracts Awarded

Virginia—Richmond, Rappahonnock & Northern Ry. awarded contract to CENTRAL CONSTRUCTION CO., Harrisburg, Penn., for line from West Point to Urbanna, Va., 17 miles. C. L. Ruffin, 514 American National Bank Bldg., Richmond, Ch. Engr. Noted Nov. 25.

South Carolina—Atlantic Coast Line R.R., Walterboro, awarded contract for extension of Hollywood Spur, 4½ miles, to W. Z. WILLIAMS CO., Macon, Ga. J. E. Willoughby, Wilmington, N. C., Ch. Engr.

Florida—Florida East Coast Railway Co. has awarded contract for grading extension of Okeechobee Division from Maytown, Fla., to a connection with main line at New Smyrna, 17.25 miles, to J. M. COOK, Jacksonville. Bridge work and track laying will be done by company forces. Estimated cost, $200,000. E. B. Carter, Ch. Engr.

Kentucky—Cumberland & Manchester R.R. awarded contract for southern end of its line from Barbourville to Manchester, Ky., to READ CONSTRUCTION CO., Philadelphia, Penn. Noted Nov. 25.

Arkansas—Ozark Valley Railway has awarded contract for line from Rothville to Mountain Home, about 10 miles, to BLODGETT CONSTRUCTION CO., Kansas City, Mo. K. V. Loba, Mountain Home, Pres. Noted Sept. 16 and 30.

Texas—Gulf, Colorado & Santa Fé Ry. awarded contract to L. J. SMITH CONSTRUCTION CO., Kansas City, Mo., for grading 23½ miles of Gulf & Interstate Ry. from High Island to Port Bolivar. F. Merritt, Ch. Engr., Galveston, Tex. Noted Nov. 11.

California—(Official)—Bids received Nov. 26 by Board of Public Works for railway from Roasasco into Hetchy Hetchy reservoir, about 67 miles, were as follows: F. ROLANDI 550 Montgomery St., San Francisco, $1,543,080 (awarded contract); McArthur Bros. & Co., and Mason & Hanger Co., 1015 Chronicle Bldg., San Francisco, $1,955,062; Utah Construction Co., Phelan Bldg., San Francisco, $1,800,925. M. M. O'Shaughnessy, San Francisco, City Engr. Noted Oct. 21 and Nov. 11.

LIGHT, HEAT AND POWER

Maine, Biddeford—City Council contemplates municipal electric-light plant.

Mass., Foxboro—Foxboro Gas Co. will lay about eight miles of pipe line to furnish gas to Foxboro. E. F. Draper, Boston, Dir.

Mass., Westfield—At recent town meeting sum of $14,000 was appropriated for new boiler and other improvements to electric-light plant. Noted Aug. 5 and 12.

N. Y., Albany—(Official)—Bids will be received by the Trustees of Public Buildings, Executive Chamber, Capitol, until 3 p.m., Dec. 22, for electric fixtures and equipment for Senate Chamber, Capitol. Lewis F. Pilcher, Albany, State Arch. (See adv.)

N. Y., Batavia—Genesee Light and Power Co., of Batavia will issue $10,000 bonds, $5,605 of which will be used for electric distribution system in Elba Village. Noted Nov. 4.

N. Y., Buffalo—Atlas Works of Standard Oil Co. will build boiler house at Elk St. and Buffalo Creek Terminal R.R. Estimated cost, $15,000.

N. Y., New York—(Borough of Bronx)—(Official)—Bids will be received by J. B. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., until 4 p.m., Dec. 19, for alterations and repairs to heating and ventilating apparatus in Public School No. 2, Third Ave. near 169th St.

N. Y., New York—(Borough of Brooklyn)—(Official)—Bids will be received by C. J. B. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., New York, N. Y. (Borough of Manhattan), until 4 p.m., Dec. 13, for installing heating and ventilating apparatus and temperature regulation in additions to and alterations in Public School No. 89, Newkirk Ave. between East 31st and East 32d St.

N. Y., New York—(Borough of Queens)—(Official)—Bids will be received by Maurice E. Connolly, Borough Pres., Borough Hall, Fifth St. and Jackson Ave., Long Island City, until 11 a.m., Dec. 10, for furnishing labor and material for electric-lighting system in Jamaica Town Hall.

N. J., South Orange—Civic Association is negotiating with Board of Trustees for the establishment of municipal electric-light plant.

Penn., Philadelphia—See item under "Industrial Works."

Md., Port Covington—(Baltimore post office)—Plans prepared for boiler house, screening shed and other improvements at Port Covington for Western Maryland R.R.

N. C., Granite Falls—Comstock Electric Co., High Point, retained by city to prepare plans and install electric-light system in Granite Falls.

Ga., Davisboro—Plans prepared by W. Hopson Goodloe, American National Bank Bldg., Macon, for an electric-light plant.

Ala., Georgiana—Bids will be received until Apr. 1 by J. R. Bennett, Secy., McGowin-Bennett Milling Co., for electric plant in feed mill to develop 100-hp. Estimated cost, $10,000.

Ohio, Elyria—Lorain County Electric Co. plans to extend its high tension transmission system. J. B. Johnson, Gen. Mgr.

Ill., Aurora—See item under "Water-Works."

Ill., Poplar Grove—Plans being considered by Illinois Northern Utilities Co., Dixon, for transmission line from Capron to Poplar Grove.

Wis., Monticello—Citizens voted $12,000 bonds for municipal electric-light plant.

Iowa, Des Moines—Des Moines Electric Co. has applied to City Council for permission to build a 44,000-volt high-tension transmission line from power plant to east city limits.

Kan., Oakland—Citizens contemplate installation of electric-light system.

Neb., Imperial—James Hoke is interested in a project to construct an electric power plant on Frenchman River.

Neb., Valley—Plans being considered by Platte Valley Power Co. for extending transmission lines to Arlington and other towns.

S. D., Bruce—Franchise granted to Weibers & Schulz by Board of Trustees for electric-light system.

N. D., Bisbee—Press reports state that City Council has granted 20-year franchise to an electric company to build and operate electric-light system in Bisbee.

N. D., Napoleon—J. F. Jacobs, Bismarck, interested in project to construct electric-light plant in Napoleon.

Wyo., Wheatland—City plans to improve municipal electric-light plant. Estimated cost between $6,000 and $10,000.

Mo., Crocker—Franchise granted to Crystal Ice and Bottling Co., Crystal, to install electric-light plant.

Ark., Batesville—Arkansas Light and Power Co. plans to secure contract from Government to utilize power from Lock and Dam No. 1 at Batesville.

Tex., Houston—National Oil and Gas Co. will build a 22-mile pipe line.

Tex., Roswell—Roswell Gas and Electric Co. will install large steam turbine and make other improvements to its plant. Estimated cost, $20,000.

Tex., Victoria—City Council granted franchise to Columbus Gas Construction Co., Milwaukee, Wis., to build gas plant. P. J. Sult, Pres. Noted Nov. 25.

Tex., Windom—Texas Power and Light Co. will install street-lighting system in Windom.

Okla., Goltry—Election will be held Dec. 21 to vote on $11,500 bonds for municipal electric-light plant. Noted Oct. 14.

Okla., Heavener—City will use part of proceeds of bonds for $20,000 recently voted by citizens for municipal electric-light plant to purchase plant of Heavener Light and Power Co., for $9,325, and expend about $6,000 for improvements. Noted Dec. 2.

Colo., Liberty—Plans being considered for municipal electric-light plant.

Idaho, Hailey—Richard W. Ferris granted franchise to install and operate an electric-light plant and water system in Hailey.

Idaho, Pocatello—City plans to extend street-lighting system. Estimated cost, $35,000. J. H. Giles, City Engr.

Utah, Monticello—Stockholders of Blue Mountain Irrigation Co. plan to install electric-light plant and water system in Monticello.

Ariz., Prescott—Power house will be constructed on Fossel Creek by Arizona Power Co. and new transmission lines built. Estimated cost, $300,000. M. W. Watson, Prescott, Mgr.

Ore., Sublimity—Franchise granted C. E. Taylor of Slayton Electric Light Co., Slayton, to install and operate electric-light and power system for a period of 25 years.

Calif., Los Angeles—Plans being prepared by F. L. Roehrig, Arch., American Bank Bldg., for sub-station for Aqueduct Power Board. Estimated cost, $50,000.

Que., Sherbrooke—City Council considering plans for improvement of electric-light plant and system. C. E. Gatien, City Clk.

Ont., Huntsville—Town Council has decided to remodel electric-light plant and construct new substation. T. M. Cullon, Town Clk.

Man., The Pas—See item under Sewers.

Bids In and Contracts Awarded

Conn., New London—Contract awarded to H. R. DOUGLAS, INC., 376 Bank St., New London, for one-story, 45x71-ft. power house for Shore Line Electric Co. Estimated cost, $15,000. Noted Aug. 29.

N. Y., Binghamton—Ansco Co., manufacturer of photographic supplies, awarded contract to J. G. WHITE ENGINEERING CORPORATION, 43 Exchange Pl., New York, for extensions and improvements to its power plant.

N. Y., New York—(Borough of Queens)—Board of Education received bids Dec. 6 for installing heating and ventilating system in Public School No. 93, Forest Ave. between Woodbine and Madison St., from Wells & Newton Co., Ave. B and 17th St. (Borough of Manhattan), $66,983; Daniel J. Rice, $67,500; E. Rutzler Co., $69,181.

N. Y., Tonawanda—General Electric Co., Buffalo, awarded contract for power plant at Tonawanda to STONE & WEBSTER ENGINEERING CORPORATION, Boston, Mass. Noted Dec. 2.

N. J., Jersey City—Contract for heating system in new county jail awarded to W. H. & F. W. CRANE, New York, N. Y., at $93,000; electrical work to PLAT & POWERS, New York, N. Y., at approximately $9,000.

Penn., Lebanon—School Board awarded contract to B. F. CARPENTER CO., at $24,440 for installing heating and ventilating system in new high school.

Penn., Pittsburgh—Contract for two turbo generators of total capacity of 75,000 hp. to be installed at power station on Brunots Island awarded to WESTINGHOUSE ELECTRIC AND MFG. CO. by Duquesne Light Co. Estimated cost, $2,500,000.

Penn., Wilkes-Barre—Contract awarded to JOHN CURTIS CO. for one-story, 40x80-ft. boiler house for City Hospital. Estimated cost, $30,000.

Md., Baltimore—Contract for heating and ventilating plant for Guilford School awarded to WALTER E. HILL & CO., at $7,590.

Ala., Florence—Lauderdale Power Co. has awarded contract for power house and dam on Cyprus Creek to ALLENTOWN CONSTRUCTION CO.

Mich., Detroit—Contract awarded to FULLER CO., Penobscot Bldg., Detroit, for 10-story, 120x150-ft. power plant for Murphy Power Co.

Iron Mountain, Mich.—Contract for addition to power house of Peninsular Power Co. awarded to G. A. GUSTAFSON. Noted Sept. 23.

Wis., Appleton—Contract for furnishing 1,000 tons of structural steel for new power house of Wisconsin Traction, Light, Heat & Power Co. awarded to LACKAWANNA BRIDGE CO., Buffalo, N. Y. Noted Aug. 19 and Nov. 11.

Tex., El Paso—Contract for wiring new courthouse, auditorium and jail awarded to NATIONAL TELAGRAPHONE SUPPLY CO., El Paso, at $16,000.

Wash., Spokane—Contract awarded to P. J. DOWLING & CO., Spokane, at $7,000 for heating and plumbing in monastery for Poor Clare Sisters.

BRIDGES

Proposed Work

Mass., Lawrence—A $300,000 bond issue authorized by City Council for work on Central Bridge.

Conn., Ansonia—Plans being considered by city of Ansonia and Derby for rebuilding Division St. bridge with concrete structure. Estimated cost, $16,000.

N. Y., Fairfield—According to press reports bridge will be built across Maultanno Brook next year. C. N. Richardson, Fairfield, interested.

N. Y., Little Falls—Canal Board approved plans for highway bridge over Mohawk River at Little Falls. Estimated cost, $59,339. Frank M. Williams, State Engr. and Survr.

N. J., Newark—Board of Chosen Freeholders plans to appropriate $20,000 for repairing county bridges. S. Reimer, County Engr.

N. J., New Brunswick—Bids will be received by Board of Chosen Freeholders until Dec 13 for reinforced-concrete slab bridge over Tennents Brook on South Amboy-Bordentown Turnpike. Noted Dec. 2.

Penn., Camptown—Bids will be received by David A. Keefe, Consult. Engr., Athena, until 2 p.m., Dec. 14, for state bridge across Wyalusing Creek at Camptown.

Penn., Lewistown—(Official)—Bids will be received by Commissioners of Mifflin County, Courthouse, until 11 a.m., Dec. 18, for bridge over Jacks Creek at Sigler's Fording, Derry Township.

Penn., Philadelphia—Bids will be received until Dec. 14 by George S. Webster, City Engr., City Hall, for Diamond St. bridge over connecting railway. Estimated cost, $75,000.

Penn., Phoenixville—(Official)—Bids will be received by Commissioners of Montgomery and Chester Counties, Norristown, until 10 a.m., Dec. 21, for reinforced-concrete bridge across Schuylkill River between Phoenixville and Mont Clare. (See adv.)

Va., Pembroke—Press reports state that $8,400 has been appropriated by Commissioners of Giles County for bridge over New River. Norfolk & Western Ry. will also appropriate $10,000 toward cost.

Ga., Roswell—Bids will be received by Commissioners of Cobb and Fulton Counties, Fulton Comn. Rooms, Atlanta, until Dec. 21, for bridge across Chattacoochee River at Roswell. Estimated cost, $6,000. Noted Oct. 28 and Dec. 2.

Fla., Clearwater—(Official)—Pinellas County will build two-mile bridge from Clearwater to Clearwater Key under supervision of E. W. Parker, Curry Bldg. Estimated cost, $115,000. Noted Nov. 25.

Fla., Cocoa—Election will soon be held to vote on $65,000 bonds for bridge across Indian River to Merritts Island.

Ala., Birmingham—Plans being considered by Board of Revenue of Jefferson County for bridge over Valley Creek between Rock Creek and Oak Grove.

Ohio, Akron—See item under "Miscellaneous."

Ohio, Miamisburg—Contract will soon be awarded for new bridge over Miami River at Sycamore St.

Ohio, St. Clairsville—(Official)—Bids will be received by M. W. Hopkins, Audr. of Belmont County, until 1 p.m., Dec. 20, for repairing Union St. bridge.

Ohio, Youngstown—An expenditure of $8,500 authorized by City Council for painting and repairing Spring Common and Center St. viaduct.

Mich., Detroit—Plans will be prepared for temporary and permanent Belle Isle Bridge. R. H. McCormick, City Engr. Noted Sept. 16 and No. 4.

Ill., Bloomington—Bids will be received at Court House until 2 p.m., Dec. 18, for Becker Bridge in Lexington Township. Estimated cost, $13,690.

Wis., Milwaukee—Plans being considered for bridge across Upper Milwaukee River at State St. J. C. Pinner, Jr., Supt. of Bridges and Pub. Bldgs.

Iowa, Des Moines—Plans being prepared by E. L. Masqueray, Engr., 595 Endicott Bldg., St. Paul, Minn., for concrete bridge. Estimated cost, $40,000.

Neb., David City—Bids will be received until 2 p.m., Dec. 16, by Board of Commissioners of Butler County, for bridge work during 1916.

Mont., Missoula—Bids will be received until Dec. 18 by Commissioners of Missoula County for steel bridge across Hell Gate River at Turah.

Mo., Kansas City—Harrington, Howard & Ash Engineering Co. commissioned by Board of Public Works to prepare plans for 23d St. traffic way viaduct. Estimated cost, $40,000. Curtis Hill, City Engr.

Okla., Miami—Contract will soon be awarded for bridge across Upper Horse Creek. Bonds for $85,000 recently voted for bridge work.

Okla., Purcell—Election will be held Dec. 21 to vote on $100,000 bonds for bridge work in McClain County. Noted Dec. 2.

Ariz., Globe—Bids will be received until noon, Dec. 16, by Mayor and City Council, for reinforced-concrete bridge across Pinal Creek. R. A. Smith, City Engr.

Ariz., Miami—Election will be held Dec. 14 to vote on $17,500 bonds for bridges.

Wash., La Center—W. A. Schwarz, County Engr., preparing plans for bridge over Lewis River at La Center. Estimated cost, $10,000.

Ore., Portland—Holgate St. viaduct will be constructed by Southern Pacific Co. Estimated cost, $55,000.

Bids In and Contracts Awarded

Mass., Boston—(Official)—Contract for concrete bridge over Charles River at North Beacon St. awarded to A. C. TOMASELLO, 69 Gibson St., Dorchester, at $117,352. Noted Nov. 11 and Dec. 2.

R. I., Woonsocket—Contract for two bridges on Hamlet Ave. awarded to E. W. FOLEY CONTRACTING CO., New York, N. Y., at $71,886, and one bridge on Fairmont St. to SPAULDING CONSTRUCTION CO., Suffield, Conn., at $21,812. Noted Aug. 26 and Oct. 28.

N. Y., New York—(Hollis)—(Borough of Queens)—Contract for steel for bridge across Farmers Ave., Hollis, for Long Island R.R. awarded to AMERICAN BRIDGE CO., 30 Church St., New York, N. Y. Estimated cost of substructure, $16,800; superstructure, $65,800. J. R. Savage, Ch. Engr.

Penn., Reading—Contract for two reinforced-concrete bridges for Philadelphia & Reading Ry. awarded to JOHN DONAGHUE, Mahonoy City.

La., New Orleans—Contract for viaduct at West End Lake Shore Park awarded to MIDLAND BRIDGE CO., Kansas City, Mo., at $7350. Noted Oct. 28 and Nov. 25.

Ohio, Steubenville—All bids received Oct. 15 by Commissioners of Jefferson County for reinforced-concrete bridge on State Rd. in Springfield Township rejected. Noted Sept. 13.

Kan., Iola—Contract for three bridges awarded to CANTON BRIDGE CO., Canton, Ohio, at $9,240, $10,150 and $10,040, respectively. Noted Oct. 21.

Tex., Canadian—Contract for bridge across Canadian River awarded to CANTON BRIDGE CO., Kansas City, Mo., at $71,000. Noted Aug. 12 and Sept. 16.

Okla., Bartlesville—Contract for bridge work in Washington County awarded to ROCHESTER BRIDGE CO., as follows: Two bridges across Big Caney at $10,125 and $13,825, respectively; one bridge across Curl Creek at $5,150; nine small bridges at $22,125. J. G. Mitchell, County Clk.

Okla., Chickasha—Contract for bridge across South Canadian River awarded to CANADIAN VALLEY BRIDGE CO., at $60,000. P. E. Colby, City Engr. Noted Oct. 14.

Idaho, Caldwell—Contract for bridge across Boise River at Caldwell awarded to MISSOURI VALLEY BRIDGE AND IRON CO., Leavenworth, Kan., at $18,580. F. H. McConnell, County Engr. Noted Nov. 11.

Wash., Seattle—P. Manson, 2407 Boylston Ave., N., Seattle, at $5,787, submitted lowest bid for 23d Ave. bridge.

Calif., Sacramento—(Official)—Low bids received Nov. 24 by State Highway Commission for plate girder bascule bridge near easterly side of Yolo By-Pass were as follows: Ross Construction Co., Sacramento, $26,949; C. E. Lamburth, San Francisco, $25,800; Security Construction Co., Los Angeles, $24,671. Noted Nov. 11.

WATER-WORKS

Proposed Work

Maine, Wilton—City granted authority by Maine Public Utilities' Commission to issue $8,000 bonds for installing new intake, screen chamber and new pipe.

R. I., Cranston (Providence post office)—Bids will be received until Dec. 22 for making wash and core borings. Walter B. Chafee, City Clk.

N. Y., Rochester—City will lay about 16½ miles of 37-in. c.-i. water mains next year. F. D. Elwood, City Engr. Noted Sept. 30.

N. J., Atlantic City—Surveys being made and plans being prepared for 20-in. high-pressure water main with 12-in. laterals under board walk. L. Van Gilden, Ch. Engr. and Supt. of Bureau of Water.

N. J., Jersey City—Bids were not received Dec. 2 by City Commission as stated previously, for the construction of pipe line from Hackensack River to Brookdale. Revised plans will be prepared and new bids called. Estimated cost, $1,000,000. Noted Nov. 4.

Penn., Waynesboro—Waynesboro Water Co. employed Chester & Fleming, Pittsburgh, Engr., to make investigation and report regarding extension and development of water supply. Noted Oct. 7.

Ga., Lumpkin—City plans to remove water works from present location to site of electric-light plant to consolidate same. Work will include construction of reservoir and drilling a deep well. W. M. Crook, Macon, Ga., Engr.

Ga., Savannah—Report submitted to Water Committee of City Council by E. R. Conant, Ch. Engr., estimating cost of improving water system at about $200,000. Noted Sept. 30.

Ala., Gadsden—Press reports state that Gulf States Steel Co., Birmingham, will build water waste reservoir and also install high-pressure fire pump. Estimated cost, $15,000.

La., Donaldsonville—A proposition has been submitted to the Water and Light Commission by the National Water Purification Co., Dallas, Tex., to install filtration plant at an estimated cost of $4,500.

Ky., Flemingsburg—Preliminary plans being prepared by C. H. Babbitt, Engr., Columbus, Ohio, for municipal water system. Estimated cost, $10,000. Noted Oct. 28.

Ohio, Chardon—Chardon Water Works Co. plans to extend water mains five miles. C. H. Felton, 731 Williamson Bldg., Cleveland, Engr.

Ohio, Geneva—A private company contemplates constructing water works at Geneva in spring. Estimated cost, $8,000. M. C. Goddard, Engr.

Ohio, Hamilton—Bids will be received by S. D. Nelson, Supt. of Water Wks., until Dec. 14, for three 10-in. wells and intake for water works system. Joseph B. Meyers, Dir. of Pub. Ser. Noted July 29.

Ohio, Idlewood (Warrensville post office)—Bids will be received by John Howard, Village Clk., until noon, Dec. 13, for 6-in. water main in Friedel Rd.

Ohio, South Charleston—Bids will be received by W. L. Wentz, Village Clk., until Dec. 14, for water system.

Ind., Lakeville—Citizens defeated bonds for water works system.

Ind., Mishawaka—Board of Public Works will extend water system. Estimated cost, $16,000.

Mich., Albion—Bids will be received by City Clerk until Dec. 15 for pumping station and boiler house for water system.

Mich., Hamtramck—City will extend water mains in Charest Ave. and McDougall St. from Caniff to Carpenter Ave. and in McDougall St. from Stuart to Carpenter Ave. J. C. Schulthesis, Village Clk.

Ill., Aurora—Plans being considered by city for improving pumping station and power plant. Estimated cost, $75,000.

Ill., Chicago—(Oak Park)—Board of Local Improvements plans an expenditure of $34,066 next year for water mains and water service pipe.

Ill., Decatur—Contract will be awarded about Jan. 15 for 10,000 ft. 6-in. water mains in Homestead Pl. P. T. Hicks, City Engr.

Wis., Kenosha—Bids will be received by Board of Water Commissioners until Dec. 20 for water plant on Washington Island, including pumping station, filtration plant and equipment. Estimated cost, $250,000.

Wis., Madison—Board of Regents of University of Wisconsin plans to expend $30,000 for an electrically operated pumping station.

Minn., Rochester—Citizens will vote on bonds for water system.

Kan., Emporia—Citizens will hold election Dec. 28, to vote on $150,000 bonds, for water-works system. Black & Veatch, Kansas City, Mo., Engr. Noted Dec. 2.

Kan., Hiawatha—See item under "Streets and Roads."

Mont., Great Falls—Election will be held in January to vote to issue bonds for filtration plant at water works.

Mo., Cardwell—Citizens voted at recent election $,000 bonds for water-works system.

Mo., Lees Summit—Bids will be received by city until Dec. 15, for pipe, valves, tower and tank, pump, concrete reservoir and brick pump house. Kent & Lowery, 715 Reserve Bank Bldg., Kansas City, Engr.

Mo., Steelville—Citizens planning to install water works system.

Mo., Summit—Bids will be received about Dec. 15 for municipal water system. Estimated cost, $46,000. Henrici, Kent & Lowry, Consult. Engr., 715 Reserve Bank Bldg., Kansas City.

Tex., Cleburne—City plans to construct water system. Estimated cost, $25,000.

Tex., Ft. Worth—Holman & Laird submitted report, estimating cost of perfecting city water system at $300,000, including completion of conduit from Lake Worth doing away with artesian well system, abolishing North Side water-works, providing proper filtration and improving dual water system.

Tex., Galveston—Election will soon be held to vote on $200,000 bonds to repair, restore or submerge water mains across Galveston Bay.

Tex., Oak Cliff—(Dallas post office)—City Commission authorized purchase of 8,000 ft. of 16-in. water pipe and 6,000 ft. of 12-in. water pipe.

Tex., Palestine—Citizens plan purchase of present water-works system, or construction of new municipal plant. J. W. Sammons, Engr.

Tex., Pampa—Pampa Water, Light and Power Co. have been organized to build water and light plant. A. E. Davis, interested.

Okla., Clinton—Citizens voted $6,000 bonds for extension of water-works system. Noted Dec. 2.

Okla., Dewey—City plans to install water system.

Okla., Henryetta—(Official)—Citizens recently voted $100,000 bonds for water-works system. B. Williams, City Clk. Noted Nov. 25.

Okla., Tulsa—Election to vote on $600,000 bonds for storage basin at mouth of Shell Creek, postponed from Jan. 2 until spring. Noted Dec. 2.

Colo., Lafayette—Citizens will construct municipal water-works system. Estimated cost, $50,000.

Colo., Orchard—Bonds for $50,000 authorized by City Council for water system.

Idaho, Hailey—See item under "Light, Heat and Power."

Utah, Blanding—City plans municipal water system. Estimated cost, $25,000.

Utah, Monticello—See item under "Light, Heat and Power."

Ariz., Phoenix—J. B. Girand, City Engr., recommends to City Council expenditure of $1,000,000, for improving water-supply system.

Wash., Bremerton—City will purchase present water system and improve same at a cost of $70,000. Citizens recently voted $260,000 bonds for this purpose. E. J. McCall, City Clk.

Wash., Everett—Bids will not be received for improving water system until July. Estimated cost, $1,700,000. Burns & McDonald, Engr. Noted Sept. 2.

Wash., Seattle—Board of Public Works approved plans for laying water mains in Maynard Ave. and Michigan St., and 43rd Ave., N. W. Bids will soon be called for. A. H. Dimmock, City Engr.

Wash., Seattle—Contract will be awarded in about two months for water mains in Dexter Ave. Estimated cost, $32,000. A. H. Dimock, City Engr. Noted Sept. 30 and Oct. 7.

Que., Princeville—City will construct water system pumping station, and will purchase 4 and 6 in. c.-i. pipe, valves, pumps, hydrants, etc.

Ont., Penetanguishene—Citizens defeated proposition for extension of water mains.

Ont., Port Dover—Plans being prepared for water-works plant and system. James Louden & Hertzberg, 79 Adelaide St., Toronto. Noted Nov. 25.

Ont., Tweed—City will construct water-works plant. Estimated cost, $25,000. Kerry & Chase, Ltd., Confederation Life Bldg., Toronto, Engr.

Man., The Pas—See item under Sewers.

B. C., Port Moody—City will start work on construction of water-works system in February. P. Moe, Mayor.

Bids In and Contracts Awarded

Mass., Boston—Contract for water pipes awarded A. DADARIO, 49 Edgewater Drive, Mattapan, Mass.

Mass., Lynn—Contract "B" for superstructure of Ipswich River pumping station awarded to H. T. CUMMINGS CONSTRUCTION CO., Ware. Noted Oct. 21 and 28.

Penn., Philadelphia—Contract for one-story steel and frame pump house awarded A. L. CARHART, Hale Bldg., Philadelphia. Estimated cost, $30,000.

Ohio, Cleveland—Low bidders for water mains in South Woodland Road, were: Lanese Co., Columbia Bldg., at $19,946; Phillips & Bixel, 235 Superior Ave. N. W., at $23,720; George Bros., 1148 Bolivar Rd., at $22,253. F. A. Pease Engineering Co., Marshall Bldg., Engr. Noted Nov. 11.

Ohio, East Liverpool—Contract for superstructure for pumping station and filter plant awarded to PITT CONSTRUCTION CO., Pittsburgh, Penn., at $52,900. Noted Sept. 23.

Ind., New Albany—New Albany Water Works Co. awarded contract for roof over reservoir to S. DAY & SON. Estimated cost, $4,138.

Ill., Chicago—Contract for steam-generating equipment at Mayfair Pumping Station awarded to WILLIAM A. POPE, 28 North Jefferson St., Chicago, by Department of Public Works. Estimated cost, $127,640.

Ill., Rock Island—Contract for installation of water mains on 21st Ave. between 24th and 25th St., awarded to P. F. TRENKENSCHUH.

Ill., Wheaton—Low bids received for 2,000,000 gal. tank, were submitted by Memphis Steel Construction Co., Pittsburgh, Penn., at $9,543 with hemispherical bottom, and $18,851 with elliptical bottom. L. V. Ruddock, Engr. Noted Nov. 18.

Iowa, Marshalltown—Lowest bid received for pump for water system submitted by Allis-Chalmers Mfg. Co., Chicago, Ill., at $14,485.

Neb., Neligh—Contract for extension of water-works system awarded to U. S. SUPPLY CO., Omaha.

Tex., Houston—City Council received bids Dec. 1, for deep-well pumps to be installed in new pumping station in North Main St. from J. G. Brown Co., at $19,948; Layne & Bowler Co., at $21,874; Southern Engine and Pump Co., at $28,000.

Idaho, Council—Contract for water system awarded to E. L. PHELPS, Weiser. Estimated cost, $11,200. Noted Nov. 18.

Utah, Salt Lake City—Contract for 18-in. c.-i. pipe line from Butler Ave., Federal Heights, to hydraulic laboratory of State University awarded to JAMES KENNEDY CONSTRUCTION CO.

Wash., Hillyard—Contract for steel tower and 2,000,000-gal. tank, awarded to CHICAGO BRIDGE AND IRON CO. Estimated cost, $8,288. Contract for pump, for pumping plant awarded to FAIRBANKS, MORSE & CO., Spokane. Estimated cost, $2,060. Noted Nov. 11.

Man., Winnipeg—Contract for laying water main in Wellington Crescent, awarded to DOMINION CONSTRUCTION CO., 290 Selkirk Ave., Winnipeg.

SEWERS

Proposed Work

Mass., Boston—(Dorchester)—Bids will be received by Commissioner of Public Works until noon, Dec. 15, for Davenport Brook Conduit, from Magdala to Washington St. Edward F. Murphy, Comr. Pub. Wks.

N. Y. New Rochelle—City contemplates enlargement of sewer system. Estimated cost, $400,000. John Hadert, City Engr.

N. J., Caldwell—Plans being prepared by J. S. Provost, Engr., for extending sewer system. Estimated cost, $18,000. Noted Nov. 18.

N. J., Trenton—Board of Commissioners approved ordinances providing the construction of sewers in Gardener, Cook, Greenwood and Hobart Ave.

Penn., Philadelphia—Plans prepared for two main sewers in Decker and Seventh St. and nine branch sewers in various other streets. Estimated cost, $80,000. George S. Webster, City Engr.

Md., Crisfield—Bids will be received next spring for about eight miles of sewers and a sewage-disposal plant. Greiner & Whitman, 1319 Fidelity Bldg., Baltimore, Engr. Noted Oct. 14.

Md., Hagerstown—City plans to construct sewer system. J. B. Ferguson, City Engr.

Md., Rockville—Plans being prepared by E. B. Whitman, Consult. Engr., 1319 Fidelity Bldg., Baltimore, for sewer system for Bethesda District, Montgomery County. B. E. Clark, Clk., Bd. of County Comrs.

Va., Roanoke—Bids will be received by P. H. Tucker, Village Clk., until noon, Dec. 21, for sewers. F. L. Gibboney, City Engr.

Ga., Lumpkin—City plans to install sewer system. W. G. Pugh, Mayor.

Ohio, Alliance—City contemplates building one mile of sanitary sewer. W. W. Shideler, Engr.

Ohio, Chillicothe—City Council passed ordinance for 12-, 36- and 40-in. storm-water sewer laterals in Western Ave. Estimated cost, $4,400. H. M. Reid, City Engr.

Ohio, Cincinnati—(Official)—Bids will be received by Philip Fosdick, Dir. of Pub. Ser., until noon, Dec. 13, for Duck Creek Interceptor Sewer, Contract No. 3.

Ohio, Cincinnati—Bids will be received by Philip Fosdick, Dir. Pub. Ser., until noon, Dec. 13, for improving sewers in Whitely St. from Colerain Ave. 180 ft. west, and right-of-way from Whitely St. 140 ft. scuth.

Ohio, Cincinnati—Bids will be received by Philip Fosdick, Dir. Pub. Ser., until noon, Dec. 15, for improving sewers in Resor Ave., from Middleton to Clifton Ave., and Clifton Ave. from Resor Ave. north to trunk sewer.

Ohio, East Palestine—Bids will be received by O. L. Butts, Village Clk., until noon, Dec. 20, for sanitary sewer and sewage-disposal plant. Estimated cost, $60,000.

Ohio, Geneva—Bids will soon be received for sewage-disposal plant. Estimated cost, $27,000. M. C. Goddard, 42 Walnut St., Geneva, Engr. and W. E. Morgan, City Clk.

Ohio, Leetonia—Citizens plan sewage-disposal plant. Estimated cost, $40,000. James P. Sculley, City Clk.

Ohio, Painesville—City contemplates building two miles of 8-, 10,- 12-, 16- and 20-in. sanitary sewers. M. A. Tuttle, Dir. of Pub. Ser. F. N. Downer, City Engr.

Ind., Vincennes—Contract will be awarded about Jan. 1 for storm sewers in eastern and southeastern part of city. Estimated cost, $150,000. H. T. Watts, City Engr. Noted Dec. 2.

Mich., Grand Rapids—W. S. Moore, City Engr., has submitted a plan to Oakdale Improvement Association for sewer in Oakdale Ave., S. E., down Kalamazoo Ave. to Silver Creek Valley. Estimated cost, $30,000.

Mich., Hillsdale—City has been ordered to improve sewerage system by State Board of Health.

Ill., Chicago—(Oak Park)—City plans an expenditure of $23,923 for pipe sewers in Oak Park next year.

Ill., Salem—City plans to build sewage-disposal plant and sewer system. Estimated cost, $50,000. H. L. Caldwell, 710 Ayres Bank Bldg., Jacksonville, Ill., Engr.

Wis., Fond du Lac—City contemplates storm sewers in Dixie, Everett, Juneau, Rees, Baumister St., and Fond du Lac Ave. John McCullough, City Engr.

Wis., New Lisbon—Preliminary plans being prepared for sewer system. W. G. Kirchoffer, 24 North Carroll St., Madison, Engr.

Iowa, Charter Oak—Plans being prepared by Bruce, Standeven & Boynton, Consult. Engr., Bee Bldg., Omaha, Neb., for sewer system. C. Robertson, City Clk.

Iowa, Ft. Mason—City will construct about one mile of 10- to 15-in. sewers. Bids will soon be asked. R. J. Lewis, City Engr.

Iowa, Hampton—Bids will be received by C. A. Van Pelt, City Clk., until 7:30 p.m., Dec. 15, for sanitary sewer system.

Iowa, Marshalltown—City will construct storm sewers. W. H. Steiner, City Engr.

Iowa, Mason City—Bids will be received by City Clerk until Jan. 6 for sewage-disposal plant of Imhoff type. Estimated cost, $70,000. F. P. Williamson, City Engr. Noted Aug. 12.

Iowa, Ottumwa—Citizens plan sewers in Center Ave. and East Court St.

Minn., St. Paul—Bids will be received by A. Hohenstein, Pur. Agt., until 10:30 a.m., Dec. 13, for sewer in Fairview, Denslow, Annapolis and Dale St.

Minn., St. Paul—Plans approved for sewer in Eaton St. between Chicago and Indiana Ave. Oscar Clausson, City Engr.

Kan., Erie—(Official)—Bids will not be received for sewer extensions and connections in Main and Santa Fe St. south to city limits. B. W. Garvin, Mayor. Noted Nov. 25.

Neb., Grand Island—Bids will be received in about four months for constructing storm sewers. Estimated cost, $100,000. H. E. Clifford, City Clk. Noted Sept. 2 and 9.

Neb., Pawnee City—Citizens defeated $35,000 bonds for sewer system. Noted Dec. 2.

Neb., Pierce—Election will be held Dec. 14 to vote on $20,000 bonds for sewer system.

S. D., Herrick—City will install sewer system.

Wyo., Cheyenne—Bids will be received by J. J. Showalter, City Clk., Dec. 13, for extending sewers in 19th St. from Bent to O'Neil St.

Mo., Aurora—Election will be held in January to vote on bonds for sewer system.

Mo., Stanberry—Citizens voted $4,000 bonds for sewerage system.

Tex., Canadian—Citizens will vote on $20,000 bonds for municipal sewer system. Oswell Hudson, Mayor.

Tex., Childress—City plans installation of sewer system.

Tex., Ft. Sam Houston—Bids will be received until Dec. 14 for sewage system and sewage-disposal plant.

Tex., Houston—Bids will be received for construction of storm sewers on Burnette St. from Hardy St. to White Van Bayon Outfall, and other improvements to the Carolina St. storm sewer, storm sewer on Paschall St., from North Main St. to Cockran St., and for storm sewer on White Oak and Florence St. E. E. Sands, City Engr.

Tex., San Marcos—San Marcos Sewer Co. plans sewage-disposal plant. Estimated cost, $5,000.

Okla., Haileyville—Citizens will vote on $50,000 bonds for sanitary sewer system.

Ore., La Grande—Contract will soon be awarded for sewer system. Estimated cost, $16,000. L. D. Howland, City Engr.

Ore., Portland—Plans being considered by city for sewer in East Davis and East 72d St., Mt. Tabor. Estimated cost, $8,758.

Calif., Pasadena—Election will soon be held to vote on $485,246 bonds for sewer system and sewage-disposal plant to be used by the cities of Pasadena, South Pasadena and Alhambra. Noted Dec. 2.

Ont., Bosanquet—(Thedford post-office)—City Council plans construction of Hampton drain and other improvements. G. Sutherland, Thedford, City Clk.

Ont., Brantford—City will construct sanitary sewers in Drummond and Read St., and Jubillee Ave. T. H. Jones, City Engr.

Ont., Goderich—City will construct sewer in Lighthouse St. Work will not be done this fall. C. L. Knox, City Clk.

Ont., Leamington—Council authorized construction of sewers in Russell and Mill St., and Victoria Ave.

Ont., London—City will make extensions to storm-sewer system, and will construct sewers in Regent, William, Dundas and Elizabeth St. Estimated cost, $20,000. S. Baker, Clk.

Ont., Romney—Plans being considered for several drains. J. W. Kennedy, Wheatley, Ont., Clk.

Ont., Toronto—City will construct sewers in Queen, Leslie St. and Pape Ave. Estimated cost, $56,500.

Ont., Woodstock—City Council plans construction of storm sewers. Estimated cost, $25,000.

Man., The Pas—Bids will be received Jan. 17, for the purchase of $130,000 bonds, $80,000 for sewer construction and water-works; $50,000 for construction and equipment of an electric-light system. H. H. Elliott, Town Clk.

Bids In and Contracts Awarded

N. Y., New York—(Borough of the Bronx)—Contract for sewers in Starling Ave. between Olmstead Ave. and Unionport Rd., Unionport Rd. between Starling and McGraw Ave., McGraw Ave. between Unionport Rd. and Pugsley Ave., awarded to ANITA CONSTRUCTION CO., 2975 Marion Ave., N. Y. Noted Nov. 4.

N. Y., New York—(Borough of Manhattan)—Contract for tunnel relief sewer in West 46th St. awarded to BRAZER & BURCHENAL, 80 Maiden Lane, New York, at $250,013. Noted Oct. 21 and Nov. 11.

Penn., Mt. Carmel—Contract for sewage pumping station awarded to THOMAS J. RADLEY, 143 Liberty St., New York, N. Y. Estimated cost, $13,226.

Tenn., Cleveland—Contract for sewer system, for which $75,000 was appropriated, awarded to A. C. BROOKS & CO., Birmingham, Ala.

Tenn., Park—(Knoxville P. O.)—(Official)—Contract for constructing sewer laterals awarded to J. A. ASHLER, Knoxville. Noted Nov. 25.

Ohio, Cleveland Heights—(Warrensville post office)—Contract for sewers in Cedar Road District No. 3 awarded to ROSS-COOK ENGINEERING CO., 193 Crosby St., Akron, at $32,039. Noted Oct. 21.

Ohio, Columbus—Contract for Frames Ave. relief sewer awarded to BOYD & COOK, Dayton, Ohio. Estimated cost, $43,780. Noted Nov. 11.

Ohio, Sandusky—J. B. Sheets Co., Pittsburgh, Penn., at $69,554 submitted lowest bid for intercepting sewer from Mills to Meigs St. J. J. Molter, Dir. of Pub. Serv.

Ohio, Toledo—(Official)—Contract for main sewer No. 13 awarded to BREYMANN & O'NEIL, Nashby Bldg., Toledo, Ohio. Noted Nov. 18.

Ill., Aurora—F. E. KAMINSKI, Watertown, Wis., at $11,910, awarded contract for sewer system in northeastern section of city. M. Tarble, Engr. Noted Sept. 9.

Ill., Melrose Park—Contract for sewers awarded to T. H. IGLEHART, 718 Rookery Bldg., Chicago. Estimated cost, $27,000.

Iowa, Dubuque—(Official)—Contract for constructing 8-in. tile sanitary sewer in St. Ambrose St. from manhole at intersection of Willow and St. Ambrose St., awarded to J. A. R. DANIELS, 112 Alpine St., Dubuque. J. J. Shea, City Clk. Noted Dec. 2.

Kan., Manhattan—Contract for sewers in three districts awarded to W. W. COOK, Junction City, Kan. Estimated cost, $14,287. Noted Oct. 14.

Neb., Omaha—Contract for sewer in Larimore Ave. awarded to E. P. DONAHUE, 503 Ware Bldg. John A. Bruce, City Engr.

Tex., Houston—Contract for sewerage work awarded as follows: Storm sewer on Hawthorne St. to F. D. HORTON & SON, at $18,000; Smith St. sewer to HORTON & HORTON, at $4,800; storm sewer on Bagby and Laure St. to HARDMAN & NELSON, at $15,200. Noted Dec. 2.

Tex., San Benito—(Official)—Contract for sanitary sewage disposal plant awarded to S. S. DODDS, San Benito, Tex. Estimated cost, $4,272. Noted Oct. 28.

Idaho, Bonners Ferry—HURD, DECAMP & WOODS, Spokane, Wash., at $24,778, awarded contract for sewer system. Noted Sept. 9 and Nov. 4.

Wash., Seattle—Contract for sewers in Sixth Ave. N. W., awarded to WASHINGTON PAVING CO., Seattle. Estimated cost, $78,694. Noted Nov. 4.

Calif., Los Angeles—Contract for sewer in Pico St. from Granshaw Blvd. to Sixth Ave. awarded to S. ZARUBICA, at $7,577. Noted Dec. 2.

Calif., Los Angeles—P. S. Tomich, at $11,500, submitted lowest bid for sewer in Griffith Ave.

Calif., Stockton—Contract for sewer work awarded to W. S. GAUSE, Piedmont, at $6,196.

Calif., Stockton—Contract for sanitary sewer in southwestern section of city awarded to CHAMBERS & HEAFEY, at $24,050.

GARBAGE

Proposed Work

Maine, Bar Harbor—Bids will be received by Board of Health, Odd Fellows Hall, until Dec. 15, for disposal of garbage for periods of three and five years.

N. J., Glen Ridge—Election will be held Dec. 23 to vote on $15,000 bonds for garbage disposal plant in Carteret St. Noted Oct. 28.

Ont., Welland—Plans being considered by J. G. Stephenson for garbage disposal plant. Estimated cost, $20,000.

Bids In and Contracts Awarded

Mass., Boston—Contracts for removing snow and ice awarded by E. F. Murphy, Comr. of Pub. Wks., as follows: JOSEPH M. KILEY, Roxbury, at 44c. per cu. yd. for District No. 1; J. P. McCABE CO., at 33c. for District No. 2; C. J. JACOBS CO., 107 Terrace St., Boston, COLEMAN BROS., Chelsea, at 37c. and 40c. respectively for District No. 4 and 5; JOSEPH SPRISSLER, at 37c., for District No. 6; JAMES DRISCOLL & SON CO., at 35c., for District No. 7.

N. J., Atlantic City—Contract for collection and disposal of garbage for a period of five years awarded to FARMERS PRODUCT AND SUPPLY CO., Atlantic City. Noted Oct. 7.

Penn., York—(Official)—Contract for collection and disposal of garbage for a period of 10 years awarded to C. C. FISCHER, York, at $19,000. Noted Nov. 25.

Ln., Hammond—Contract awarded to SUTHERLIN CONSTRUCTION CO., Kansas City, Mo., for garbage incinerator.

STREETS AND ROADS

Proposed Work

N. Y., Kingston—City plans to pave Hosbrouck Ave. in 1916. G. Wallace Codwise, City Engr.

N. Y., New York—(Borough of Richmond)—(Official)—Bids will be received until noon, Dec. 14, by Calvin D. Van Name, Borough Pres., Borough Hall, St. George, New Brighton, for constructing concrete sidewalks.

N. Y., Wampsville—Towns in Madison County plan to raise a fund of $70,447 for highway construction in 1916.

N. J., Irvington—Town Commission plans to pave Hoyt St. and Ellis Ave.

N. J., Newton—Bids will be received about Jan. 1 by Board of Chosen Freeholders of Sussex County for improving Rose's Corner-Sussex Rd. Estimated cost, $85,000. H. Snook, County Engr. Noted Oct. 21.

Md. Cumberland—City plans to pave Cumberland St. from Franklin to Tilghman St. with concrete and from Allegany to Franklin St. with brick. J. P. Gaffney, City Engr.

Md., Salisbury—Bids will be received until Dec. 14 by Commissioners of Wicomico County for 1.35 miles of State-Aid highway upon or along Brawington's Branch Zion Rd. H. M. Clark, Road Engr.

Va., South Boston—City plans an expenditure of $25,000 for 15,000 sq.yd. of pavement. Anderson & Christie, Charlotte, N. C., Consult. Engr.

W. Va., New Cumberland—Election will be held during 1916 to vote on $50,000 bonds for paving Poe Road District with brick. E. Grafton, County Engr.

N. C., Marion—A $5,000 bond issue for constructing roads contemplated by Commissioners of McDowell County.

Fla., Tallahassee—Election will be held Dec. 28 to vote on $4,000 bonds for paving College Ave. from Adams to Copeland St. A. H. Williams, City Clk.

La., De Ridder—Citizens of Calcasieu County plan to issue $700,000 bonds for road construction.

Tenn., Dover—Election will soon be held to vote on $200,000 bonds for road construction. Noted Oct. 21.

Tenn., Knoxville—City Commission will improve State St.

Tenn., Knoxville—Bids will be received until noon, Dec. 15, by Good Roads Commission of Knox County for rebuilding Kingston Rd. from corporate limits of city to Eastern Insane Asylum.

Ohio, Cincinnati—(Official)—Bids will be received by A. Reinhardt, Clk., Comrs. of Hamilton County, until noon, Dec. 17, for widening Boudinot Ave. near Warsaw and Bridgetown Pike, Green Township.

Ohio, Cincinnati—City will expend portion of $1,250,000 bonds recently voted for extending Bloody Run Parkway to Eden Park. Philip Fosdick, City Engr.

Ohio, Columbianna—City plans to pave West Park, about ½ mile, and Union Park, about ⅜ mile. C. E. Beard, Engr.

Ohio, East Liverpool—City plans to pave Harvey and Elizabeth St. with concrete. J. C. Kelley, City Engr.

Ohio, Marysville—Commissioners of Union County plans to expend $10,200 for road improvements.

Ohio, Painesville—City plans an expenditure of $45,000 in 1916 for paving. F. N. Downer, City Engr.

Ohio, Salem—Plans being prepared for about 7,000 sq.yd. of brick paving. B. M. French, City Engr.

Ohio, Washington—Bids will be received until Dec. 11 by Director of Public Service for improving a number of city streets.

Ind., Angola—(Official)—Bids will be received by R. Hirst, City Clk., until 1:30 p.m., Dec. 15, for improving North Wayne St. (See adv.)

Ind., Winamac—Bids will be received by W. E. Munchenberg, Audr., Comrs. of Pulaski County, until noon, Jan. 4, for gravel road.

Mich., Kalamazoo—Bids will be received until 10 a.m., Dec. 14, by Road Commissioners of Kalamazoo County, for resurfacing a number of roads.

Wis., Birchwood—(Official)—Citizens defeated $5,000 bonds for street improvements. Noted Nov. 4.

Wis., Kenosha—Bids will soon be received for approximately 8,000 sq.yd. of vitrified brick paving on Pomeroy St. from Fremont to Newhall St. B. C. Brennan, Supt. of Pub. Wks.

Wis., Racine—City plans to pave Mound Ave. with brick in 1916. P. H. Connolly, City Engr.

Iowa, Mason City—Contract for paving estimated to cost $500,000 will be awarded about Jan. 15. E. P. Wilson, City Engr.

Iowa, Storm Lake—Contract for 60,000 sq.yd. of paving will be awarded about Feb. 1. J. E. Ruland, City Clk.

Minn., Pine City—Bids will be received by W. H. Hamilton, County Audr., until Dec. 10, for constructing Elwell Rd. Estimated cost, $50,000.

Minn., St. Paul—Bids will be received by A. Hohenstein, Pur. Agent, until 10:30 a.m., Dec. 13, for improving Edgecomb Rd. from West Seventh St. to Lexington Ave. O. Claussen, City Engr.

Minn., St. Paul—Bids will be received by A. Hohenstein, Pur. Agent, until 10:30 a.m., Dec. 13, for improving Oxford St. from Rondo to Thomas St., Edmond St. from Lexington Ave. to Dunlap St. and Oxford St. from Iglehart Ave. to Rondo St. O. Claussen, City Engr.

Kan., Hiawatha—City Commissioners plan an expenditure of $100,000 in 1916 for paving and improving water system.

Mont., Billings—Citizens plan to hold election in January to vote on $175,000 bonds for improving highways in Yellowstone County.

Mo., Kansas City—Board of Public Works plans to pave Broadway from 14th St. to Southwest Blvd.

Mo., Stotts City—Citizens of Stotts City Road District voted $13,500 bonds for rock surfacing about nine miles of roads.

Ark., Little Rock—City Council plans to pave Center St. from Markham to Seventh St. H. Levinson, City Engr.

Ark., Stuttgart—An expenditure of $30,000 contemplated by city for paving. F. W. Towl, Engr.

Tex., Lockhart—Commissioners of Caldwell County plan to hold election to vote on $50,000 bonds for highway construction.

Tex., Luling—Election will soon be held to vote on $50,000 bonds for hard surfacing roads.

Tex., Marlin—A bond issue for $200,000 for constructing roads contemplated by Commissioners of Falls County.

Okla., Bristow—Citizens defeated $25,000 bonds for roads. Noted Nov. 11.

Okla., Norman—Election will be held Dec. 15 in Norman Township to vote on $25,000 bonds for road construction and $5,000 bonds in Case Township.

Idaho, Lewiston—Commissioners of Nez Perce County plan to construct John Kennedy Rd. on Upper Tom Muriel Creek. Estimated cost, $20,000. C. J. Vassar, County Surveyor.

Idaho, Preston—County Commissioners contemplate $150,000 bond issue for road construction.

Wash., Ellenburg—Report submitted to Commissioners of Kittitas County by County Engineer, estimating cost of highway between Ellenburg and Wenatchee at about $200,000.

Wash., Prosser—Bids will be received by State Highway Board, Olympia, until Dec. 20, for improving 11½ miles of highway between Kiona and Richland, Benton County. T. J. Wright, Prosser, County Engr.

Wash., Seattle—Bids will be received until 10 a.m., Dec. 21, by B. Phelps, Clk., Comrs. of King County, for Permanent Highway No. 13.

Ore., Albany—City Council plans an expenditure of $9,149 for hard-surfacing Washington St.

Ore., Portland—Advisory Budget Committee of Multnomah County has recommended that $431,000 be appropriated for road construction for 1916.

Ore., Warrenton—Citizens of Warrenton Road District plan an expenditure of $25,000 for road improvements.

Calif., Modesto—Supervisors of Stanislaus County contemplate $1,500,000 bond issue for constructing roads.

Calif., Sacramento—(Official)—Bids will be received until 2 p.m., Dec. 27, by the State Highway Commission, 515 Forum Bldg., for roads in various counties.

Calif., Sawtelle—Bids will be received until 5 p.m., Dec. 20, by City Clerk, for improving Wabash Ave. between Iowa Ave. and Santa Monica Blvd.

Ont., Chatham—City Council plans to pave Lansdowne Ave. during 1916 with reinforced-concrete. F. P. Adams, Engr.

Bids In and Contracts Awarded

Mass., Boston—(Sheffield and Great Barrington)—(Official)—Contract for section of state highway in Sheffield and Great Barrington awarded to JOHN DE MICHAEL & BROS., Torrington, Conn., at $28,382. Noted Nov. 4 and 18.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids were received Dec. 6 for regulating and repaving 151st St. from west side of Seventh Ave. to east side of McCombs Pl. as follows: Uvalde Asphalt Paving Co., $4,329; Asphalt Construction Co., $4,801; Barber Asphalt Paving Co., $5,308. Noted Dec. 9.

N. Y., New York—(Borough of Queens)—Contract for improving Rockaway Blvd. awarded to H. J. MULLEN CONTRACTING CO., Flushing, at $56,000. Noted Sept. 23 and Oct. 7.

N. J., Jersey City—Contract for improving Old Bergen Rd. from Blvd. to Merritt Ave. awarded to W. T. S. CRITCHFIELD CO., Hoboken.

N. J., Mt. Holly—MANWARING & CUMMINGS, 1326 Chestnut St., Philadelphia, Penn., at $5,710, awarded contract for paving Vinceton and Buddton Rd., and at $4,579, for Vincetown and Eayerstown Rd.

Penn., Philadelphia—Contracts were awarded for paving as follows: 80th St. to HARRY MAGEE, at $4,982; Hartford Ave., to JAMES A. MULLIN, at $27,762; 54th St. to BARBER ASPHALT PAVING CO., Woolworth Bldg., New York, at $9,984; East wick St. to J. JOSEPH McHUGH, at $5,914; Second St. to the BARBER ASPHALT PAVING CO., Woolworth Bldg., New York, at $5,358; Harvey St. to D. J. LYNCH, at $8,616.

Penn., Pittsburgh—(Official)—Contract for improving Cliff Mines and Beaver Grade Connecting Rd., Sec. No. 1, awarded to SAMUEL GAMBLE CO., Carnegie, at $7,493. Noted Nov. 18.

Md., Baltimore—D. M. Andrews Co., Equitable Bldg., at $6,520, submitted lowest bid for paving on Annapolis Blvd. between Severn River and College Creek bridges. Noted Nov. 18.

Md., Leonardtown—Contract for 1.18 miles of State-Aid highway on Washington and Fenwick St. awarded to AUSTIN & IRELAND, Baltimore.

N. C., Winston-Salem—An expenditure of $17,000 planned by Forsyth County Highway Commission for concrete pavement on Main St. Work will be done by convict labor. D. W. Harmon, Highway Engr.

S. C., Greenville—Contract for 60,000 sq.yd. of street paving, 10,000 sq.yd. of concrete gutters and 12,000 lin.ft. of granite curb awarded to CASE & COTHRAN, 1507 Candler Bldg., Atlanta, Ga. About $175,000 available for this work. Noted Nov. 4 and Dec. 2.

Ga., Atlanta—Commissioners of Fulton County plan to build 10 miles of road by convict labor. W. T. Wilson, County Highway Engr.

Fla., Clearwater—Contract for improving Ft. Harrison Ave. from Eldridge St. to corporate limits awarded to PINELLAS CONSTRUCTION CO., Augusta, Ga., at $22,806.

Fla., Fellsmere—Contract for 5¼ miles of concrete sidewalks awarded to E. HAWK. Citizens recently voted $50,000 bonds for paving and sidewalks. C. W. Tolmage, Ch. Engr. Noted Oct. 14.

Fla., Ft. Pierce—Contract for surfacing 4½ miles of Dixie Highway along Indian River awarded to GOOD ROADS CONSTRUCTION CO., Memphis, Tenn.

Tenn., Chattanooga—Contract for asphalting McCallie Ave. awarded to NELL CONSTRUCTION CO.

Tenn., Dunlap—Contract for 28 miles of macadam road in Sequatchie County awarded to CHICKAMAUGA QUARRY AND CONSTRUCTION CO.

Ohio, Shaker Heights—(Cleveland post office)—Bids were received for grading and flagging South Woodland Rd., Shaker Heights Village, from Walsh Construction Co., Citizens Bldg., at $25,322, and J. W. Chapman, 1653 Ridgefield Rd., at $25,176.

Ohio, Toledo—BREYMANN & O'NEILL, Nasby Bldg., awarded contract for grading, draining and macadamizing with water bound macadam Otter Creek Rd., Oregon Township. Noted Nov. 18.

Ind., New Albany—Contract for road in New Albany Township awarded to W. F. WOODRUFF, Louisville, Ky., at $12,462. Noted Nov. 11.

Ill., Berwyn—Contract for 21,349 lin.ft. of sidewalks awarded to FREDERICK ASP, Maywood, at $12,169.

Ill., Ottawa—Contract for hard surfacing four miles of drives through Illinois State Park awarded to W. J. BRENNAN, La Salle, at $14,990.

Kan., Lawrence—Contract for 15,000 sq.yd. of brick paving awarded to A. R. YOUNG. E. H. Dunmier, City Engr.

Kan., Pittsburg—Contract for repaving Broadway awarded to WILLIAMS CONSTRUCTION CO., Joplin, Mo., at $35,176. L. E. Curfman, City Engr. Noted Oct. 14 and Nov. 18.

Mo., Kansas City—Contract for grading Meyer Blvd. from Paseo to Wornall Rd. awarded to W. C. MULLINS, 24th and Wyandotte St., at $25,000.

Mo., Springfield—Contract for paving Bonvile St. from Division to Pine St. and two feet on each side of tracks of Springfield Traction Co. awarded to PLUMMER-ADAMS CO., at $13,500.

Tex., Austin—Contract for paving about 50,000 yd. of streets awarded to TEXAS BITULITHIC CO., at about $100,000. M. C. Wellborn, City Engr.

Tex., Dallas—Contract for paving Bryan Parkway awarded to VIBROLITHIC CO., at $7,550. J. M. Preston, City Engr. Noted Oct. 28.

Wash., Walla Walla—(Official)—Contract for two miles of highway near Whitman's Station awarded to L. LANNING, Boyer Ave. and Blue St., Walla Walla, at $4,900. G. C. Cookerly, City Engr. Noted Nov. 18.

Ore., Pendleton—(Official)—Contract for improving Riverside Drive from Main to Railey St. awarded to WARREN CONSTRUCTION CO., Portland, at $4,780. Noted Nov. 4 and 18.

Calif., Antioch—Bids were received by City Trustees for paving a number of streets as follows: Raisch Improvement Co., San Francisco, $15,489; McGillivray Construction Co., Sacremento, $15,891; City Improvement Co., San Francisco, $21,850.

Calif., Glendale—Contract for improving portions of Grand Blvd., Doran and First St. awarded to GEORGE H. OSWALD, Los Angeles, at $25,988.

Calif., Huntington Beach—Contract for paving Main and other streets awarded to GEORGE H. OSWALD, Los Angeles, at about $81,481.

Calif., Los Angeles—Contract for improving Westmoreland Ave. awarded to WATTSON & SPICER, at $11,596.

Calif., Pasadena—Contract for improving Prospect Blvd. awarded to ANDREW HOLLOWAY, at $5,038.

Calif., Sacremento—Contract for road work in Mariposa County, Div. 6, Route 18, Sec. A, awarded to GEORGE R. DALEY, San Diego, at $42,748; and for Div. 111, Route 3, Sec. B, Placer County, to A. W. GORRILL, San Francisco, at $47,339. Noted Oct. 7 and Nov. 4.

Calif., San Francisco—Contract for paving section of East St. awarded to K. ERHART, at $11,294.

INDUSTRIAL WORKS

Proposed Work

Conn., New Haven—Plans prepared by Frank Elwood Brown, Arch., for three-story, 50x135-ft. plant for New Haven Dairy Co., 159 Hazel St. Noted Nov. 25.

N. Y., New York—(Borough of Brooklyn)—Plans being prepared for six-story factory for Bush Terminal Co. foot 43d St., Brooklyn. Estimated cost, $10,000.

N. Y., New York—(Borough of Brooklyn)—Bids will soon be received for two-story, 50x75-ft. garage for Albert H. Marquis, 4311 Brandon Ave. Estimated cost, $10,000.

N. Y., New York—(Borough of Queens)—Plans being prepared for two-story, 50x100-ft. and one-story, 50x75-ft. factory for H. W. Beyer & Co., 507 West 50th St., New York. National Fireproofing Co., 949 Broadway, New York, Arch.

New York, N. Y.—(Borough of Queens)—(Official)—Contract will soon be awarded for six-story, 117x217-ft. reinforced-concrete factory for Gustav Sandblom, Inc., 30 East 42 St., New York, N. Y. (Borough of Manhattan), at Skillman, Moore and Foster Ave. Estimated cost, $100,000.

N. Y., Woodbury—Plans being prepared for two-story, 100x100-ft. garage for Otto H. Kahn, 52 William St., New York, N. Y.

N. J., Belleville—Press reports state that Pathe Freres Phonograph Co. plans a four-story addition to its plant on Cortland St.

Penn., Bellefonte—Plans prepared for two-story bakery for J. Ceaders. Estimated cost, $20,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Penn., Chester—Plans being prepared by Wadleigh & Osbourn, Real Estate Trust Bldg., for superstructure of plant on Delaware River for Stewart Distilling Co., Philadelphia. Estimated cost, $500,000. Noted Sept. 30.

Penn., Philadelphia—Plans being prepared for a three- or four-story mill and power house at Reed, Dickinson, 25th and 26th St. for S. B. & B. W. Fleisher, Eighth and Chestnut St. William Steele & Sons Co., 1600 Arch St., Engr.

Penn., Reading—Plans being prepared by F. A. Muhlenberg, Arch., for 100x220-ft. factory on South Eighth St. for Pennsylvania Optical Co.

Penn., Scranton—Ford Motor Co. contemplates building three-story, 60x100-ft. service building. Estimated cost, $12,000.

Md., Baltimore—C. W. Christian, 401 East 25th St., plans to establish factory.

Md., Baltimore—Plans prepared for one-story, 150x150-ft. garage at Maryland Ave. and 27th St. for T. W. Cooke.

Va., Martinsville—American Furniture Co. will build an addition to plant. Estimated cost, $25,000.

Va., Petersburg—Contract will be awarded about Dec. 10 for two-story, 40x120-ft. laundry for White Cross Laundry Corporation. Estimated cost, $18,000.

Va., Port Norfolk—(Portsmouth post office)—Bids will be received about Jan. 5 for 100x240-ft. addition to plant at Port Norfolk, of South Hill Manufacturing Co., South Hill.

Va., Winchester—C. L. Robinson Ice and Cold-Storage Corporation will build 150x150-ft. plant. C. L. Robinson, Pres.

N. C., Asheville—Asheville Milling Co. will rebuild plant recently destroyed by fire.

Ga., Atlanta—It is reported that Chevrolet Motor Co., Flint, Mich., contemplates building assembling plant at Atlanta.

Ga., Augusta—Gorgan & O'Dowd contemplates building 190x250-ft. warehouse on Ninth St.

Ga., Savannah—Georgia Land and Cattle Co. will establish a stockyard, abattoir, etc.

Fla., Jacksonville—Plans prepared for two-story, 56x125-ft. ice cream plant for Purity Ice Cream Corporation. Estimated cost, $40,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Penn., Arch.

Ala., Anniston—Polar Ice and Coal Co., will build one-story, 40x50-ft. addition to plant. Estimated cost, $10,000.

Ala., Georgiana—McGowin-Bennett Milling Co. will establish an ice plant. Estimated cost, $10,000.

Ala., Mobile—Joseph F. Durham secured grain elevator of Mobile & Ohio R.R. and will organize a company for the purpose of improving the elevator. Estimated cost, $40,000.

La., New Orleans—(Official)—Bids will be received by Ernest M. Loeb, Pres., Bd. of Comrs. of Port of New Orlens, Suite 200, New Orleans Court Bldg., until 8 p.m., Dec. 20, for reinforced-concrete elevator on east bank of Mississippi River. (See adv.)

Tenn., Chattanooga—Plans prepared for garage and sales building for Hamilton Motor Car Co.

Ky., Carlisle—Carlisle Electric and Power Co. will construct and equip an ice plant.

Ky., Cynthiana—Burley Tobacco Co., Lexington, will build sales warehouse at Cynthiana.

Ky., Louisville—Plans prepared for two-story brick packing plant for C. F. Vissman & Co. Estimated cost, $10,000.

Ohio, Akron—Mason Tire & Rubber Co., Kent, plans a factory in Akron. Estimated cost of building and equipment, $60,000.

Ohio, Cincinnati—Bids will soon be received for six-story, 65x102-ft. garage and salesroom for Graydon Estate. Estimated cost, $100,000. Elzner & Anderson, 135 Ingalls Bldg., Cincinnati, Arch.

Ohio, Cleveland—Plans being prepared for two four-story, 160x350-ft. and 143x512-ft. factories for Properties Co. O. M. Stafford, Pres.

Ohio, Cleveland—City plans automobile repair shop. Estimated cost, $15,000. Robert Hoffman, City Engr.

Ohio, Cleveland—Weideman Co. will build warehouse and garage at 924 Mandrake Ave. Estimated costs, $70,000 and $12,000, respectively. W. S. Lougee, Marshall Bldg., Arch.

Ohio, Columbus—Plans being prepared by H. C. Holbrook, Arch., for one-story, 40x130-ft. addition with two wings 30x40-ft. and 15x60-ft. to plant of Union Oil Cloth Co., Spruce St.

Ohio, East Liverpool—Columbia Steel Co., recently incorporated by East Liverpool and Pittsburgh capitalists, purchased site near Ohio-Pennsylvania line and Ohio River on which the company plans to build plant. Estimated cost, $600,000.

Ohio, Hamilton—A plant for extracting light oils from tar and ammonia will be constructed by the Hamilton Otto Coke Co. Estimated cost, $80,000.

Ohio, Lima—Plans prepared for roundhouse for Lake Erie & Western R.R. Estimated cost, $50,000. J. K. Connor, Indianapolis, Ind., Ch. Engr.

Ohio, Painesville—Preliminary plans being prepared for two-story ice plant for E. W. Moore. F. N. Downer, Painesville, Arch.

Ohio, Robertsville—Canton Clay Products Co., recently incorporated with $75,000 capital stock, will build brick plant about ½ mile east of Robertsville. C. A. Bourgouis, interested.

Ohio, Sebring—Sebring Rubber Co. contemplates building two-story, 60x190-ft., factory. Estimated cost, $20,000.

Ohio, Springfield—Robbins & Myers Co. will build four-story, 300x300-ft. addition to plant. Estimated cost, $150,000. C. F. McGilvray, Pres.

Ind., Indianapolis—Preliminary plans being prepared by J. Edwin Kopf, Arch., for three-story garage for Cadillac Automoble Co. C. F. Eckler, 500 Capital Ave., Indianapolis, Mgr.

Ind., Muncie—Plans prepared for two new factory buildings for T. W. Warner Manufacturing Co. Estimated cost, $100,000.

Ind., Shelbyville—A. Hirschburg, Shelbyville, will build two-story, 32x150-ft. garage.

Mich., Detroit—J. H. Schmidt will build 50x150-ft. garage on Third St., to be occupied by the La Bell Motor Co. Estimated cost, $20,000.

Mich., Grand Haven—Plans being prepared for one- and two-story, 70x140-ft. factory for Challenge Refrigerating Co.

Mich., Lansing—Plans being prepared for three-story warehouse for National Grocery Co., 123 North East St. A. Bowd, 127 West Allegan Ave., Lansing, Arch.

Ill., Chicago—Joseph Dvorak will build one-story garage at 3854-62 Ogden Ave. Estimated cost, $13,500.

Ill., Freeport—Plans prepared for enlarging roundhouse and building addition to tool house of Illinois Central R.R. Estimated cost, $30,000. A. S. Baldwin, Chicago, Ch. Engr.

Ill., Joliet—Bates Machine Co. plans expenditure of $100,000 for enlarging and improving its plant at Henderson Ave. and Jackson St.

Wis., Milwaukee—Bids will soon be received by L. E. Oberst, Arch., for three-story molasses feed plant for Milwaukee Grain & Feed Co., 512 Commerce St. Estimated cost, $25,000.

Wis., Sauk City—Farmers Packing Co. contemplates building packing plant. Estimated cost, $100,000. M. P. Schneider, 401 West Doty St., Madison, Wis., Arch.

Iowa, Des Moines—Plans being prepared by F. W. Clarks, 683 Brandels Bldg., Omaha, Neb., for three-story, 45x160-ft. warehouse for Farmers Coöperative Produce Co.

Minn., Mankato—Mankato Bread Co. contemplates building three-story, 38x120-ft. factory.

Minn., Minneapolis—Pence Auto Co. will build eight-story, 132x308-ft. warehouse. Chapman & Magney, Essex Bldg., Minneapolis, Arch.

Minn., St. Paul—Plans being prepared for three-story, 100x150-ft. plant for Brown, Blodgett & Sperry Co. Estimated cost, $50,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, Arch.

Mo., Kansas City—It is reported that Chevrolet Motor Co., Flint, Mich., contemplates building assembling plant at Kansas City. Estimated cost, $750,000.

Mo., Kansas City—Willys-Overland Co., Toledo, Ohio, has purchased a site at Kansas City and will build six-story plant.

Mo., St. Louis—Lowell Bleachery, Lowell, Mass., will build branch factory at St. Louis. Estimated cost, $200,000.

Ark., Jonesboro—Plans prepared for two-story, 23x110-ft. cold storage plant for Jonesboro Ice Co.

Tex., Dallas—Reported that Studebaker Corporation, Detroit, Mich., will build branch distributing plant at Dallas.

Tex., Dallas—T. B. Burnett & Co. will build mattress factory at Dallas. Estimated cost, $300,000

Tex., El Paso—Proposition submitted to El Paso Chamber of Commerce by J. T. Ward, Denver, Colo., for establishing factory at El Paso for manufacture of automobile tires.

Tex., Houston—National Oil and Gas Co. will build oil refinery. Estimated cost, $200,000.

Tex., Houston—Plans prepared by Finger & Bailey, Arch., Houston, for four-story, 130x140-ft. reinforced-concrete warehouse for Magnolia Paper Co. Estimated cost, $100,000. Noted Nov. 18.

Tex., Orange—Plans prepared for rebuilding plant of Lutcher & Moore Lumber Co. which was destroyed by fire with a loss of $150,000. Noted Aug. 19.

Okla., McAlester—A. C. Murray, Clarksville, Tenn., organized a company with capital of $50,000, and will build an ice plant.

Okla., Sand Springs—Sand Springs Home will build two-story, 50x110-ft. factory. E. A. Page, Secy.

Okla., Tulsa—Nichols Transfer and Storage Co. will erect three-story, 40x140-ft. reinforced-concrete building.

Wash., Tacoma—E. I. Du Pont de Nemours Powder Co. plans to build four new buildings south of Tacoma. Estimated cost, $40,000. I. J. Cox, Supt.

Ore., Portland—Plans being prepared for two-story, 80x175-ft. planing mill for Frank Schmidt & Co. Estimated cost, $10,000.

Ont., Sandwich—United States Steel Corporation, 71 Broadway, New York, N. Y., will establish plant at Sandwich.

Bids In and Contracts Awarded

Mass., Beverly Farms—Contract for garage for J. A. L. Blake awarded to HOLT-FAIRCHILD CO., 1001 Old South Bldg., Boston. Estimated cost, $10,000.

Mass., Readville—Stafford Co., Hyde Park, awarded contract for foundry to J. J. PRINDIVILLE CO., South Framingham. Estimated cost, $40,000.

Conn., Goshen—Contract awarded to W. A. SMITH & SON, 188 Cannon St., Bridgeport, for two-story garage for W. B. Lashen, 647 Clinton Ave., Bridgeport. Estimated cost, $15,000.

N. Y., Buffalo—Contract awarded to JOHN A. ZOLL, 398 Bird Ave., Buffalo, for four-story, 55x71-ft. warehouse and elevator for Eldad Milling Co. Estimated cost, $30,000.

N. Y., New York—(Borough of Manhattan)—Contract for three-story, 100x225-ft. printing building for Consolidated Gas Co., 4 Irving Pl., awarded to ROBERT J. ALGIE, 141 West 41st St. Estimated cost, $65,000.

N. J., Jersey City—Contract for three-story, 70x200-ft. factory building for Davis-Bournonville Co. awarded to JOHN N. GILL & CO., 1215 Filbert St. Estimated cost, $70,000.

N. J., Newark—Interstate Creamery Co. awarded contract to M. MILLER, 11 Highland Ave., Newark, for two-story, 85x110-ft. plant. Estimated cost, $16,000.

N. J., Passaic—Contract awarded to J. J. O'LERAY, 500 Bloomfield Ave., Passaic, for flour mill for New Jersey Flour Co. Estimated cost, $11,000.

Penn., Allentown—Solomon Lipschutz awarded contract for three-story, 52x60-ft. cigar factory to W. A. STEIN & Co., North Fulton St., Allentown. Estimated cost, $12,000.

Penn., Bryn Mawr—Contract awarded to GRAY BROS., Rosemont, for garage for E. L. Blabon. Estimated cost, $75,000.

Penn., Contesville—UNITED ENGINEERING AND FOUNDRY CO., Youngstown, Ohio, awarded contract for plate rolling mill for Lukens Iron and Steel Co.

Penn., Monessen—Contract for two open-hearth furnaces for Pittsburgh Steel Co., Pittsburgh, awarded to LOCKMAN BROS., Pittsburgh. Estimated cost, $500,000.

Penn., Philadelphia—Contract for four-story, 89x98-ft. brick and reinforced-concrete shop at 18th and Buttonwood St. for Baldwin Locomotive Works awarded to IRWIN & LEIGHTON, 126 North 12th St., Philadelphia. Noted Dec. 2.

Penn., Philadelphia—Contract for garage at Kinsey and Paul St. for E. S. Gilmour, 4712 Penn St., awarded to JOHN McSHAIN, 1610 North St., Philadelphia.

Penn., Philadelphia—Contract for two warehouses at 19th and Glenwood Ave. for Hale & Kilburn Co. awarded to H. E. EATON, 12th and Sansom St., Philadelphia. Estimated cost, $23,000.

Del., Wilmington—Contract for garage for Tourist Garage Co. awarded to WILLIAM SCHOOLMASTER, Wilmington. Estimated cost, $10,000.

Md., Baltimore—Hess Steel Co. awarded contract for factory to DIETRICH BROS., Baltimore. Estimated cost, $30,000.

Ga., Athens—Georgia R.R. awarded contract to HINTON & STEWART, Athens, for warehouse at Foundry and Board St. Estimated cost, $16,000. Noted Nov. 18.

Ga., Columbus—Bibb Manufacturing Co. awarded contract to T. C. THOMPSON CO., Greenville, S. C., for addition to plant at 23d and River St. Estimated cost, $200,000. Noted Nov. 18.

Ga., Macon—Buckeye Cotton Oil Co. awarded contracts for 70x200-ft. seedhouse and warehouse to H. B. HOHENDIETZEL CO., Macon, for concrete foundation and side walls, to VIRGINIA BRIDGE AND IRON CO., Roanoke, Va., for steel roof.

Fla., Jacksonville—Contract awarded to O. P. WOODCOCK, Jacksonville, for warehouse for Estate of M. H. Basnett. Estimated cost, $22,000.

Ky., Glasgow—Glasgow Motor Car Co. awarded contract to EDWARD FORD, Glasgow, for two-story, 70x127-ft. garage. Estimated cost, $14,000.

Ky., Harrodsburg—Contract awarded to WALLKER PARSONS, Harrodsburg, for 83x96-ft. garage for Ft. Harrod Garage Co. Estimated cost, $10,000.

Ky., Lexington—Contract awarded to McCORMICK LUMBER CO., Lexington, for two-story, 50x400-ft. warehouse for Farmers Home Tobacco Warehouse Co. Estimated cost, $15,000.

Ky., Louisville—Contract awarded to L. V. ABBOTT, Louisville, for 80x432-ft. plant for Hoosier Veneer and Panel Co. Estimated cost, $40,000.

Ohio, Carthage—(Cincinnati post office)—Contract for addition to plant of Hess Spring and Axle Co. awarded to J. R. STEVENS CO., Odd Fellows Temple, Cincinnati. Estimated cost, $30,000. Noted Dec. 2.

Ohio, Cleveland—Contract for one-story, 77x135-ft. storage building for Multigraph Co. awarded to MASTERS & MULLEN CO., 601 Electric Bldg., Cleveland. Estimated cost, $10,000.

Ohio, Cleveland—Contract for three-story, 33x97-ft. factory and office building for National Carbon Co., 11,900 Madison Ave. awarded to HUNKIN-CONKEY CONSTRUCTION CO. Estimated cost, $16,000.

Ohio, Cleveland—Contract for storage plant for City Ice Delivery Co. awarded to W. I. THOMPSON CO., Cleveland. Estimated cost, $20,000.

Ohio, Cleveland—(Official)—Contract for addition to plant of Federal Knitting Mills Co. at Detroit and West 28th St. awarded to H. G. SLATMYER, 103 Lakeside Ave., Cleveland. Estimated cost, $40,000. Noted Nov. 25.

Ohio, Hamilton—Contract for two-story, 42x110-ft. building for Eickenberry Bros. awarded to BURRELL ENGINEERING AND CONSTRUCTION CO., Chicago, Ill., at $12,000.

Ohio, Kings Mills—Contract awarded to WELLS & GRAY, Toronto, Ont., for four-story, 65x416-ft. factory for Peters Cartridge Co. Estimated cost, $250,000. F. C. Tuttle, 1701 First National Bank Bldg., Cincinnati, Secy.

Ohio, Middletown—Contract for addition to plant of P. A. Sorg Paper Co. awarded to CALDWELL & ISEMINGER. Estimated cost, $10,000.

Ohio, Toledo—Electric Auto Lite Co. has taken out a permit for three-story reinforced-concrete factory building at 1209 Champlain St. Estimated cost, $73,000. Noted Nov. 4.

Ohio, Warren—Ohio Corrugating Co. will build one-story, 80x200-ft. factory by day labor.

Ohio, Youngstown—Contract for benzol factory for Youngstown Sheet and Tube Co. awarded to SEMET-SOLVAY CO., Syracuse, N. Y. Estimated cost, $450,000.

Ind., Richmond—Contract awarded to A. M. FRY, Piqua, Ohio, for three-story, 88x124-ft. warehouse for Miller Bros. Hardware Co.

Ill., Chicago—Fisher Furniture Co. awarded contract for three-story factory at 400 North May St. to CHICAGO IRON AND STEEL WORKS, 733 Fulton St., Chicago, for structure and miscellaneous iron. Noted Dec. 2.

Ill., Chicago—Chicago & Northwestern Ry. has awarded contract for grain elevator to be leased by Armour Grain Co. to WITHERSPOON-ENGLER CONSTRUCTION CO., Chicago. Estimated cost, $2,000,000. Noted Dec. 2.

Ill., Chicago—Contract for freight storage building for Pennsylvania R.R. awarded to GEORGE A. FULLER CO., Chicago. Estimated cost, $2,500,000. Noted Aug. 19.

Wis., Milwaukee—Contract for addition to plant of Cudahy Packing Co. awarded to W. F. TUBESING. Estimated cost, $50,000.

Minn., Duluth—Contract for addition to elevator plant of Capitol Elevator Co. awarded to BARNETT-RECORD CO. Estimated cost, $700,000.

Wash., Seattle—MacRae Bros., Empire Bldg., Seattle, at $16,394 submitted lowest bid for garage at 11th and Pine St. for Charles Frisell, to be occupied by Metz Auto Co.

Calif., San Pedro—Contract for concrete warehouse for Harbor Commissioners awarded to MERCHANTS REALTY AND INVESTMENT CO., Van Nuys Bldg., Los Angeles, at $117,139. Noted Nov. 25.

FEDERAL GOVERNMENT WORK

Proposed Work

R. I., Portsmouth—Oil Tank—U. S. Navy Department contemplates fuel-oil tank with capacity of 2,000,000-gal. About $40,000 available for this purpose.

N. Y., Ft. Totten—Wharf—Bids will be received until 10 a.m., Dec. 15, by A. J. Cooper, C. A. C., for repairs to short wharf. Noted Oct. 7.

N. J., Sea Girt—Bulkheads and Jetties—Bids will soon be received for new bulkheads and jetties at state rifle range, Sea Girt. Estimated cost, $10,000. John D. Kilpatrick, Maj. of Quartermaster Corps.

D. C., Washington—Dredging—Bids will be received at U. S. Engineer office, Room 305, Southern Bldg., Washington, until noon, Dec. 18, for dredging in Anacostia River.

W. Va., Wheeling—Power House—Bids will be received at U. S. Engineer Office, Wheeling District, Wheeling, until 11 a.m., Jan. 6, for fireproof power house at Dam No. 14, Ohio River. (See adv.)

Fla., Key West—Repairing Breakwater—Bids will be received at U. S. Engineer office, Jacksonville, until noon, Dec. 31, for repairing breakwater at Ft. Taylor, Key West.

Tenn., Memphis—River Improvements—Plans being prepared by U. S. Engineers for canal to direct flow of Wolf River into Isle of Mad chute to wash out Memphis Harbor and maintain channel. About $55,000 available for this work at present time but approximately $150,000 will be necessary to complete project. Col. McD. Townsend, Chn. of Mississippi River Comn. Major E. M. Markham, Engr.-in-Charge.

Mich., Sault Ste. Marie—Timber—Bids will be received at U. S. Engineer Office, 337 Federal Bldg., Detroit, until noon, Dec. 15, for 110,000 ft. b.m. of white oak timber. (See adv.)

Tex., Galveston—River Improvements—Plans being prepared by C. S. Riche, U. S. Engr., for system of locks and dams for Guadalupe River near Victoria. Estimated cost, $800,000.

Idaho, Boise—Post Office—All bids received Nov. 18 for addition to U. S. post office at Boise rejected. New bids will be received. Noted Oct. 14 and Nov. 25.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Manhattan)—(Official)—Post Office—Contract for post office at 4th Ave. and 13th St. for Estate of Charles A. Chesebrough to be leased by U. S. Government awarded to JOHN H. DEEVES & BROS., 103 Park Ave., New York. Estimated cost, $50,000. Noted Nov. 18.

D. C., Washington—Building—Bids were received by Commissioners of District of Columbia, Nov. 30, for addition and alterations to Powell School as follows: Burgess & Parsons, Washington, $60,000; A. L. Guidone & Sons, $60,450; Melton Construction Co., $61,295. Noted Nov. 25.

Va., Norfolk—Dredging—Contract for dredging at navy yard Norfolk, awarded to BAY STATE DREDGING AND CONTRACTING CO., Atlantic Ave., Boston, Mass. Estimated cost, $100,000. Noted Nov. 4 and Dec. 2.

Fla., Pensacola—Paving—Bids were received Dec. 4 for concrete pavement at navy aeronautic station, Pensacola, as follows: C. H. Turner Co., Pensacola, $6,959; William A. Burnett, Houston, $9,916; Henry Monk, Pensacola, $11,334. Noted Nov. 11.

Ohio, Elyria—Post Office—Contract for U. S. post office at Elyria awarded to JOHN G. UNKEFER & CO., Minerva, at $78,481. Noted Oct. 14 and Nov. 25.

Ohio, Sidney—Post Office—Contract for U. S. post office at Sidney awarded to OHIO BUILDING AND CONSTRUCTION CO., Cincinnati, at $51,650. Noted Oct. 7 and Nov. 18.

Colo., Grand Junction—Canal Work—Contracts for canal work at Grand Junction awarded as follows: Schedules 1 to 8, REYNOLDS-ELY CONSTRUCTION CO., Springville, Utah, at $28,534; schedule 9, HENRY WILSON, CARL HICKS and H. H. WILSON, Fruita, at $3,323; schedule 10, C. S. KIRKENDALL and JOHN E. NELSON, Fruita, at $2,801; schedule 11, SAM KLOZKO, Loma, at $1,649; schedule 12, J. M. GROESBECK, Springville, Utah, at $2,937; schedule 13, J. O'BRYAN, Fruita, at $2,364; schedule 14, J. W. COLLIER, Grand Junction, at $1,323; schedule 15, WADE COLLIER, Grand Junction, at $1,420; schedule 16, CHARLES E. LUTZ, Loma, at $1,578. Noted Oct. 21.

Hawaii, Pearl Harbor—Buildings—Bids were received Dec. 4 by H. R. Stanford, Ch. of Bureau of Yards and Docks, for three buildings at naval station, Pearl Harbor, (a) power house, (b) operating building, (c) double quarters for chief operators, (d) work complete as follows: Spalding Construction Co., San Francisco, Calif., (a) $12,023, (b) $10,127, (c) $9,535, (d) $31,685; Construction and Engineering Co., San Francisco, Calif., (a) $11,471, (b) $9,722, (c) $8,129, (d) $29,322. Noted Nov. 11.

CANALS, DITCHES, IRRIGATION

Proposed Work

N. Y., Albany—(Official)—Barge Canal Work—Bids will be received early next year for barge canal work under Terminal Contract No. 51. Estimated cost, $8,379. W. W. Wotherspoon, State Supt. of Pub. Wks.

N. Y., Albany—(Official)—Canal—Bids will be received by W. W. Wotherspoon, State Supt. of Pub. Wks., until noon, Jan. 4, for completing construction of canal from Northumberland to Stillwater, Contract No. 73A. Estimated cost, $432,045.

N. Y., Albany—(Official)—Canal—Bids will be received early next year for completing canal from station 5130 near Sterling Creek to Herkimer-Oneida County line, Contract No. 29-A. Estimated cost, $162,005. W. W. Wotherspoon, State Supt. of Pub. Wks.

N. Y., Albany—(Official)—Canal—Bids will be received early next year for completing canal from about station 2449 about 400-ft. east of Genesee River to about station 2566-58 about 42-ft. from east end of Contract No. 6, work to be done under Contract No. 21-A. Estimated cost, $415,700. W. W. Wotherspoon, State Supt. of Pub. Wks.

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging—All bids received for derdging in North River from 103d St. to 109th St. rejected. New bids will be received until 3 p.m., Dec. 16 by Park Board, Dept. of Parks, Municipal Bldg., New York. Cabot Ward, Pres. Noted Dec. 2.

N. J., Trenton—Canal—Surveys will be made for proposed ship canal between Delaware River and Raritan Bay by State Department of Commerce and Navigation. Next legislature will be asked to appropriate $500,000 to purchase proposed canal.

Fla., Largo—Drainage—Contract will soon be awarded for drainage system for Lake Largo-Cross Bayou Drainage District. Estimated cost, $220,000.

Ohio, Cincinnati—(Official)—Ditch—Bids will be received by Fred E. Wesselmann, Pres., Bd. of Comrs. of Hamilton County, until noon, Dec. 17, for building ditch on Harrison and New Haven Rd., Crosby Township.

Wis., Racine—Drainage—Plans being prepared for 14 miles of open ditch and 15 miles of 18- to 24-in. drain tile for Root River Drainage District Commission. Estimated cost, $80,000.

Iowa, Emmetsburg—Drainage—Palo Alto County plans to construct drainage ditch. Estimated cost, $129,000. G. R. Campbell, interested.

Iowa, Tipton—(Official)—Ditch—Bids will be received by Jesse O. Bowlin, Supt. of Constr., until 2 p.m., Dec. 18, for constructing James A. Dunham ditch in Jefferson Township.

Iowa, Wall Lake—Drainage—Contract will be awarded about Apr. 1 by Board of Supervisors of Sac County for straightening and deepening Boyer River and draining Goose Pond Swamp. Estimated cost, $81,000. Seth Dean, County National Bank Bldg., Glenwood, Engr. Noted Dec. 2.

Kan., Dayton—Drainage—Property owners plan to organize Drainage District No. 1, Saline County. Proposed district will include portions of 10 sections in Dayton Township lying between Solomon River and Union Pacific main line.

Kan., Manhattan—Drainage—C. F. Pfentze interested in organization of drainage district to include three miles of open ditch work. Estimated cost, $10,000.

Kan., Ozawkie—Drainage—Contract will be awarded about Feb. 1 by Delaware River Drainage District for about 31,000 cu.yd. of work on six cutoffs on Peck Creek, about four miles from Newman on Union Pacific R. R. H. A. Plough, Secy., H. B. Walker, Manhattan, Engr.

Kan., Salina—Drainage—Plans being prepared for drainage work in District No. 1. Estimated cost, $12,000. P. A. Tobin, 109 North Santa Fé St., Engr.

Kan., Solomonn—Drainage—Contract will soon be awarded for approximately 80,000 cu.yd. of open ditch work for Drainage District No. 1, Salina County, about three miles from Solomon. H. B. Walker, Manhattan, Engr.

Kan., Strong City—Drainage—Drainage District recently organized in Chase County will build about two miles of open ditches requiring about 70,000 cu.yd. of excavation. Estimated cost, $10,000. H. B. Walker, Manhattan, Engr. Noted Sept. 23.

Wyo., Casper—Irrigation—Surveys made for irrigating and reclaiming about 8,000 acres on Bessemer Flats, about 14 miles southwest of Casper. Estimated cost, $100,000. A. C. Reeves, New York, N. Y., interested.

Mo., Louisiana—Drainage—Bids will be received about Jan. 1 for 13 miles of levees for River Land Drain District. J. Cherry, Jacksonville, Mo., Chn.

Mo., Poplar Bluff—(Official)—Ditches—Bids will be received by John H. Greason, Engr., Drainage District No. 11, Butler County, Court House, until Jan. 10 between 1 and 3 p.m., for constructing four drainage ditches and cleaning out one slough; also for constructing one wooden bridge across Main Ditch. (See adv.)

Tex., Brownsville—Irrigation—La Feria Mutual Canal Co. will extend canal irrigation system, to include 25 miles of main canals and 75 miles of laterals. Estimated cost, $150,000.

Tex., Lagrange—Drainage—Colorado County Drainage District No. 1 will issue $17,000 bonds for drainage system.

Ore., Gateway—Irrigation—Bidwell Cram, Gateway, granted permission by State Engineer to appropriate water from Trout Creek to irrigate about 507 acres near Gateway. Estimated cost, $14,000.

Ore., Grants Pass—Irrigation—Plans being prepared by W. B. Sherman for irrigation system and power plant for Rogue River Public Service Corporation. Estimated cost, $200,000. Noted Nov. 11.

Calif., Richvale—Drainage—Richvale Drainage District to drain about 20,000 acres will be organized by property owners.

Calif., Thermalito—Irrigation—Thermalito Irrigation District, recently organized, contemplates $250,000 bond issue to irrigate 6,000 acres. W. E. Duncan, Jr., Attorney. Noted Nov. 18.

Bids In and Contracts Awarded

Mass., Boston—Dredging—All bids received Nov. 24 by Directors of Port of Boston for dredging and filling East Boston, about 1,500,000 cu.yd., rejected. Noted Nov. 18 and Dec. 2.

N. Y., New York — (Borough of Brooklyn) — (Official) — Dredging—Contract for dredging Gowanus Canal from its head to Hamilton Ave., 6,000 cu.yd., awarded to R. G. PECKARD CO., 133 Greenwich St., New York, at 89c. per cu.yd. Noted Nov. 25.

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging—Contract for dredging at foot of 90th St. and East River, awarded to MORRIS & CUMMINGS DREDGING CO., 17 State St., New York, at 0.33c. per cu.yd. Noted Dec. 2.

S. C., Anderson—Dredging—Drainage Commission of Rocky Creek Drainage District No. 1, Anderson County, awarded contract to L. O. WHITE, Statesville, N. C., for dredging Rocky River, about ten miles. Estimated cost, $19,500. Noted Aug. 12.

Ill., Forest City—Ditch—Commissioners of Tazewell and Mason County District awarded contract for cleaning Bay, Reed and Bratt ditches to the CHESTER MASON CO., Mason City.

Wis., Caledonia—Canal—Contract for Caledonia Drainage Canal awarded to NATIONAL DRAIN TILE CO., Streator, Ill., at $15,000.

Iowa, Spencer—Ditch—(Official)—Contract for Drainage Ditch No. 28 awarded to CEMENT PRODUCTS CO., Spencer, at $59,780. Noted Oct. 28.

Minn., Bemidji—Ditches — Contract for construction of Judicial Ditch No. 34 awarded to LESTER E. GESELL and FRED A. BLAKE, Thief River Falls. Noted Nov. 11 and Dec. 2.

Minn., Redwood Falls—(Official)—Ditch — Contract for County Ditch No. 27 awarded to B. P. JENNINGS, Wanda, at $11,998. Noted Nov. 25.

Tex., Athens—(Official)—Flood Gates—Contract for flood gates impounding 1,000 acres of water for the Koon Klub awarded to AUSTIN BROS., Dallas. Henry E. Elrod, Southwestern Life Bldg., Dallas, Engr.

Tex., Orange—(Official)—Dredging—John Jacobson, Texas City, at 6.2c. per cu.yd. submitted lowest bid for dredging slips for wharfs and docks, 750,000 cu.yd. E. U. Henry, City Engr. Noted Nov. 18.

Calif., Modesto—Irrigation—Contract for concrete facing and curtain wall for Dam No. 1 awarded to PEART BROS., Oakland, at $72,800. Noted Nov. 18.

MISCELLANEOUS

Proposed Work

N. Y., Niagara Falls—Elimination of Grade Crossing—Grade Crossing Commission plans to eliminate grade crossing in Lockport, Whirlpool and Portage St. John L. Harper, Comn. Engr. Estimated cost, $485,000.

N. Y., Syracuse—Flood Protection—Report has been submitted to Flood Commission by John C. Hoyt of Water Resource Branch of U. S. Geological Survey, Washington, D. C., estimating cost of making surveys to prevent recurrence of Onondage Creek floods between $20,000 and $50,000.

Penn., Philadelphia—Subways and Elevated Railways—Election will be held Feb. 8 to vote on $45,000,000 bonds for subways and elevated railways and $8,000,000 for port development

Penn., Pittsburgh—Playground—City plans to expend $10,000 for playground around two point bridges. R. Swan, Dir. of Pub. Wks.

W. Va., Wheeling—Swimming Pool—Plans prepared by F. F. Faris for swimming pool for West Virginia State Fair Association. Estimated cost, $25,000.

Ala., Mobile—Docks—Tentative plans will be prepared by Ford, Bacon & Davis, Engr., 921 Canal St., New Orleans, for docks.

La., New Orleans—(Official)—Wharf and Causeway—Bids will be received by Ernest M. Loeb, Pres. Bd. of Comrs. of Port of New Orleans, Suite 200, New Orleans Court Bldg., until 8 p.m., Jan. 5, for constructing Dumaine St. creosoted wharf and reinforced-concrete causeway with creosoted wood block roadway (See adv.)

La., New Orleans—(Official)—Piling and Lumber—Bids will be received by Ernest M. Loeb, Pres., Bd. of Comrs. of Port of New Orleans, Suite 200, New Orleans Court Bldg., until 8 p.m., Jan. 5, for furnishing piling, lumber, etc., to be used in construction of Dumaine St. wharf. (See adv)

Tenn., Knoxville—Underpasses—City Commission and Southern Ry. will construct five underpasses. J. B. McCalla, City Engr.

Tenn., Memphis—Subway—City Commission, Nashville, Chattanooga & St. Louis Ry. and Memphis Street Ry will jointly build subway at Lamar Ave. Estimated cost, $108,000.

Ohio, Akron—Subways and Bridge—B. F. Goodrich Co., manufacturer of rubber goods, granted permission by City Council for three subways and overhead bridge in Falor and Main St.

Ohio, Bellaire—Dock—Pennsylvania R.R. plans to build coal dock at Bellaire. Estimated cost, $65,000. A. C Shand, Philadelphia, Penn., Ch. Engr.

Ohio, East Liverpool—Tunnel—City Council plans to build tunnel under Thompson Hill to accommodate Grandview car line. Estimated cost, $40,000.

Wis., Milwaukee—Bath House—Plans being prepared by C. E. Malig, Arch., Dept. of Pub. Wks., for bath house in McKinley Park Beach. Estimated cost, $50,000.

Mo., Springfield—Fish Hatchery—State will build fish hatchery near Springfield. Estimated cost, $15,000.

Tex., Houston—Pipe Line—National Oil & Gas Co. contemplates construction of 22 mile pipe line.

Que., Magog—Dam—Dominion Textile Co., Main St., plans to build dam.

Bids In and Contracts Awarded

N. Y., Bronxville—Elimination of Grade Crossing—Contract for eliminating grade crossing over Harlem division tracks of New York Central R.R. at Pondfield Rd. awarded to TRANSIT CONSTRUCTION CO., Mt. Vernon.

N. Y., New York—(Borough of Manhattan)—Alterations to Pier—Contract for alterations to Pier No. 64, North River, for Anchor Line S. S. Co. awarded to HENRY STEERS, INC., 17 Battery Pl. Estimated cost, $20,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Cement—Contract for 5,000 bags of portland cement awarded to MURTHA & SCHMOHL CO., 109th St., New York. Noted Nov. 4.

N. Y., New York—(Borough of Manhattan)—(Official)—(Subway)—Low bids received Nov. 30 by Public Service Commission of First District for Section No. 2, Route Nos. 19 and 22, part of Southern Blvd. and Westchester branch of Lexington Ave. subway were as follows: Lawrence C. Manuell, $2,063,877; Rodgers & Haggerty, $2,089,247; Cremshaw Engineering and Construction Co., $2,113,957. Noted Nov. 4 and 18.

N. Y., New York—(Borough of Manhattan)—Frogs and Switches—Bids were received Dec. 7 by Public Service Commission for special work, Order No. 6, for use in construction of Rapid Transit Railroads, frogs and switches for Lexington Ave. line, from Ramapo Iron Works, 30 Church St., New York, $48,195; William Warton, Jr., & Co., $48,815; Pennsylvania Steel Co., $54,043. Noted Nov. 25.

N. Y., New York—(Borough of Manhattan)—Subway—Bids were received Dec. 7 for part of Eastern District Subway, Section No. 3, Route No 8, under East River, from Manhattan at 14th St. to North Seventh St., Brooklyn, from Booth & Flinn, Ltd., 17 Battery Pl., New York, $6,631,000; Holbrook, Cabot & Rollins Corporation, $6,907,000; Degnon Contracting Co., $7,231,000; McMullen & Hoff, $9,467,000. The above are unofficial totals. Noted Nov. 18.

Penn., Philadelphia—Pier—Contract for dredging in connection with Pier No. 78, foot of McKean St. awarded to AMERICAN DREDGING CO., at $75,000; substructure of pier to SNARE & TRIEST CO., Woolworth, Bldg., New York, N. Y., at $575,000. Low bids received Dec. 6 for superstructure were as follows; Snare & Triest Co., $488,600; Irwin & Leighton, $494,800; Pennsylvania Steel Co., $495,300. Noted Aug. 26, Nov. 11 and 25.

La., New Orleans—Wharf—Contract awarded to DOULLUTT & WILLIAMS, New Orleans, at $188,000 for piling, timber, etc., for wharf of grain elevator, wharf is 1,350 ft. long and 12 ft. wide. Noted Dec. 2.

Minn., Two Harbors—Ore Docks—(Official)—Contract for superstructure of concrete ore dock for Duluth & Iron Range R.R. Co. awarded to AMERICAN BRIDGE CO., New York, N. Y., substructure to BARNET & RECORD CO., Minneapolis, Minn. New dock will replace Dock No. 2. Estimated cost, $1,635,000. Noted Oct. 21 and Nov. 18.

Mo., Kansas City—Memorial—Contract for memorial in Mt. Washington Cemetery for the W. R. Nelson Estate awarded to GEORGE A. FULLER CONSTRUCTION CO., 418 Dwight Bldg., Kansas City. Estimated cost, $125,000.

Tex., Arthur City—Revetment—Contract for revetment work on Red River above Arthur City for Risco R.R. awarded to J. W. McMURRAY CONTRACTING CO., Kansas City, Mo.

Calif., Huntington Beach—(Official)—Subway Work—Contract for reinforced-concrete pipe culverts, reinforced-concrete and timber subway and approaches under Southern Pacific tracks awarded to G. H. OSWALD, Los Angeles, at about $81,481. Noted Nov. 11.

Ont., Ft. William—(Official)—Coal Docks—Contract for addition to plant of Ft. William Coal Dock Co., Ltd., on Mission River awarded to ROBERTS & SCHAEFER CO., Chicago, Ill. Estimated cost, $300,000. C. B. Nineaber, Gen. Mgr. Noted Nov. 25.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Mass., Boston—(Fenway)—Plans being prepared for five-story, 40x150-ft. school and dormitory for Gordon Bible Institute, 7 Montgomery St., Boston. Estimated cost, $60,000. Kendall Taylor & Co., 93 Federal St., Boston, Arch.

Mass., North Adams—Board of Education has notified City Council that proposed new high school will cost $252,650 instead of $190,000 and has asked for an additional appropriation. Noted Nov. 11 and 25.

Mass., Quincy—City Council appropriated $220,000 for two school buildings. E. R. Stone, Mayor.

Mass., Salem—Plans prepared for addition to Bowditch School.

Mass., Springfield—Revised plans being prepared by F. M. Knowlton, Arch., 21 Merwin St., for six-story hotel for M. Rainville, 7 Myrtle St. Estimated cost, $100,000.

Mass., Stoneham—(Official)—Contract for fire and police station will be awarded in about two weeks. Estimated cost, $40,000. P. Varney, Arch. Noted Dec. 2.

R. I., Smithfield—Bids will be received until Jan. 17 for school. William R. Walker & Son, 17 Custom House St., Providence, Arch.

Conn., Bridgeport—Contract will soon be awarded for addition to Garfield School. Estimated cost, $45,000. H. S. Challenger, Chn. of Bldg. Com. Noted Dec. 2.

N. Y., Buffalo—Brown & Hoffman, Arch., 778 Genesee St., preparing plans for two-story addition to Columbus Turnverein to be used as a clubhouse. Estimated cost, $65,000. C. North, 1261 Genesee St., Secy.

N. Y., Fredonia—Citizens voted to issue $150,000 bonds for tuberculosis hospital.

N. Y., Jamestown—William J. Maddox is interested in the construction of an eight-story 100x160-ft. exposition building on the site of the old Fenton Homestead.

N. Y., New York—(Borough of Bronx)—(Official)—Contract will be awarded about Jan. 1 for two-story, 100x200-ft. theater at Webster Ave. and 195th St. for Max J. Kramer Co., 35 Nassau St. Estimated cost, $175,000. G. F. Pelham, 30 East 42nd St., Arch. Noted Nov. 18.

N. Y., New York—(Borough of Brooklyn)—Justices of Supreme Court plan to enlarge and remodel courthouse at Court and Jerolemon St. Estimated cost, $600,000. Frank H. Quinby, 99 Nassau St., New York, N. Y., Borough of Manhattan, Arch.

N. Y., New York—(Borough of Brooklyn)—Plans being considered by Department of Public Charities, New York, for addition to Kings County Hospital at New York Ave. and Clarkson St. Estimated cost, $75,000.

N. Y., New York—(Borough of Manhattan)—Plans will be prepared by Henry B. Herts, Arch., 345 Fifth Ave., for proposed Isaac L. Rice Memorial Hospital. Estimated cost, $1,000,000. Beth Israel Hospital, 70 Jefferson St., interested.

N. Y., New York—(Borough of Richmond)—John K. Burke and James Plunkett plan to build two-story brick theater at Bay and Wave St. Estimated cost, $70,000. H. R. Brewster, 116 Nassau St., New York, N. Y. (Borough of Manhattan), Arch.

N. Y., Peekskill—Westchester County Building Commission rejected all bids received for building county penitentiary. New bids will be received.

N. Y., Purchase—D. Barber, Arch., 101 Park Ave., New York, will prepare plans for meeting hall for A. W. Reed, Nassau and Cedar St., New York. Estimated cost, $700,000.

N. Y., Rochester—(Official)—Bids will be received until Dec. 15 for Chamber of Commerce Building at Mortimer and St. Paul St. Claude Braydon, Cutler Bldg., and Foster & Gade, Sibley Bldg., Rochester, Arch. Noted Nov. 25.

N. Y., Syracuse—Board of Education plans to build two-story, 160x270-ft. building to be known as Madison School. Estimated cost, $300,000. A. E. Larkin, Pres.

N. J., Atlantic City—Press reports state that new hotel will be built on site of Windsor Hotel. Jules E. Mastbaum, Philadelphia, Penn., interested.

N. J., Edgewater—Bonds for $40,000 sold for firehouse.

N. J., Paterson—Board of Education plans to enlarge and remodel School No. 7. Estimated cost, $60,000. J. F. Dunphy, City Hall, Clk.

N. J., Paterson—Plans being prepared for parochial school for Our Lady of Lourdes Church. Estimated cost, $50,000. B. P. Ketchell, 207 Market St., Newark, N. J.

N. J., Summit—Plans being considered by Public Service Corporation, 759 Broad St., Newark, for office building at Springfield Ave. and Beechwood St. Estimated cost, $75,000.

N. J., Trenton—School Commission plans to rebuild school which was recently destroyed by fire. Thomas D. Sensor, Pres.

Penn., Dickson City—Plans being prepared by Hancock & Koch, Arch., Coal Exchange Bldg., Scranton, for two-story school. Estimated cost, $50,000.

Penn., Harrisburg—Samuel Fishman, Market St., Harrisburg, plans to build a 60-room addition to the Lenox Hotel.

Penn., Johnstown—Press reports state that three-story municipal building will be constructed at Main and Market St. N. Miller, Supt. of Finance Dept.

Penn., Lehighton—Contract will soon be awarded for new high school. Estimated cost, $100,000. J. N. Hotchkiss, Secy. of Bd. of Education.

Penn., Monongahela—Board of Education will build two-story school. Estimated cost, $50,000. Charles J. Rieger, Germania Bank Bldg., Pittsburgh, Arch.

Penn., New Kensington—Plans will be prepared by Janssen & Abbott, Arch., Century Bldg., Pittsburgh, for two-story clubhouse for Aluminum Co. of America. Estimated cost, $100,000. Noted Dec. 2.

Penn., Philadelphia—Bids will be received about Jan. 1 by A. C. Shand, Ch. Engr., for four-story 60x68-ft. freight house for Pennsylvania R.R.. Estimated cost, $250,000.

Penn., Philadelphia—Board of Education will build addition to Harriet Beecher Stowe School at 70th St. and Woodland Ave. Estimated cost, $60,000. J. Horace Cook, Arch.

Penn., Philadelphia—Board of Education will build four-story school at B and Westmoreland St. Estimated cost, $350,000. J. Horace Cook, Arch.

Penn., Philadelphia—Election will be held Feb. 8 to vote on $6,000,000 bonds for municipal art gallery, general hospital and convention hall.

Penn., Philadelphia—Bids will be received by William Dix, Secy., Com. on Property of Bd. of Education, for 31-room school at B and Allegheny Ave. and nine-room addition to school at 70th and Woodland Ave.

Md., Baltimore—Plans being prepared by Lewis Levi, Munsey Bldg., Baltimore, for four-story office building on German St. for Immediate Benefit Life Insurance Co. Estimated cost, $70,000.

D. C., Washington—Preliminary plans prepared by Frank G. Pierson, Arch., Washington Loan and Trust Bldg., for one- and three-story convention hall for a company which is now being formed. W. E. Dentinger, Evans Bldg., promoter. Estimated cost, $400,000.

D. C., Washington—W. E. Dentinger plans to organize a company to construct a convention hall. Estimated cost, $400,000. G. Pierson, Washington Loan and Trust Co., Arch.

Va., Norfolk—Bellamy & Hough plans to build hotel at Ocean Park.

W. Va., Bluefield—An expenditure of $40,000 contemplated by Bluefield Lodge, B. P. O. E., for improving building.

W. Va., Spencer—Bids will be received until Dec. 22 by H. C. Ferguson, Secy. of Bd. of Education, for three-story high school. V. T. Ritter, Huntington, W. Va., Arch.

W. Va. Wheeling—Bonds for $85,000 voted for central school in Center Warwood by citizens of Richland District. J. E. Evans, Secy. of Bd. of Education. Noted Nov. 18.

N. C., Durham—Bids will be received until Jan. 11 by Commissioners of Durham County, for four-story courthouse and jail. Estimated cost between $180,000 and $250,000. Milburn, Heister & Co., Union Savings Bank Bldg., Washington, D. C., Arch. Noted July 29.

N. C., Gastonia—Bonds for $100,000 will be sold Dec. 14 for schools.

Fla., Seabreeze—Plans being prepared by Mark & Sheftall, Clark Bldg., Jacksonville, for three-story concrete school for Board of Public Instruction. Estimated cost between $40,000 and $50,000.

Ala., Birmingham—Plans prepared for school for Blessed Sacrament Church. Estimated cost, $50,000.

Ala., Mobile—Church will be constructed at Broad and Charleston St. by Greek Orthodox Society. L. G. Hiakapulos, interested.

Tenn., Bristol—(Official)—We have been informed that although bonds for $60,000 have been voted for high school bids for same will not be received for some months. Noted Oct. 28 and Dec. 2.

Tenn., Cleveland—Bids will be received until Dec. 14 by S. Y. Adcock, Supt. of High School Bd. of Bradley County, for high school. C. T. Jones, Hamilton National Bank Bldg., Chattanooga, Arch.

Tenn., Columbia—Congregation of First Presbyterian Church will rebuild structure recently destroyed by fire. Estimated cost, $50,000.

Tenn., Cookeville—State Board of Education, Nashville, will soon award contract for two buildings at State Normal and Polytechnic School. Estimated cost, $145,000. Noted Dec. 2.

Tenn., Cumberland Gap—Lincoln Memorial University is campaigning to raise $800,000 for three dormitories and equipment. George A. Hubbel, Pres.

Tenn., Lebanon—J. W. Hamilton is interested in a plan to organize a company to build a hotel, dancing pavilion and swimming pool on Hamilton property at Hampton Springs.

Tenn., Nashville—Bids will be received until Dec. 10 by V. Tolmie, Chn. of Bldg. Com., for Elliott School and negro high school. Estimated cost, $70,000, and $55,000 respectively. Noted Oct. 7 and Dec. 2.

Tenn., Nashville—(Official)—Bids will soon be received for remodeling building at Fourth Ave. and Union St. for bank and office building for Fourth and First National Bank. Estimated cost, $100,000. Noted Nov. 25.

Ky., Lexington—Eastern Kentucky State Hospital contemplates addition to hospital. Estimated cost, $90,000.

Ky., Louisville—Fraternal Order of Eagles will construct building at 812 South Second St. M. G. Mature, Chn. of Bldg. Com.

Ohio, Alliance—E. J. and R. I. Parthe, 240 East Main St., plan to build a two-story theater and store building. Estimated cost, $45,000. W. W. Matchett, 537 East Main St., Arch.

Ohio, Andover—Press reports state that a sanitarium will be built in Andover by Cincinnati, Youngstown and Andover capitalists. Estimated cost, $150,000.

Ohio, Athens—Trustees of Athens County Children's Home contemplate new home.

Ohio, Atwater—Plans being prepared by L. Thomas, Arch., 305 Pythian Temple, Cleveland, for school for Board of Education.

Ohio, Barberton—City contemplates election to vote on $67,500 bonds for city hall.

Ohio, Batavia—Bids will be received until Dec. 16 by Robertson & Fahnestock, Arch., Cincinnati, for public school.

Ohio, Cedar Point—Plans prepared by W. W. Hodges Co., Arch., 1216 Scofield Bldg., Cleveland, for three-story hotel for Cedar Point Amusement Co. G. A. Boecklin, Sandusky, Gen. Mgr.

Ohio, Cincinnati—(Official)—Date for receiving bids for Y. M. C. A. building postponed until about Feb. 1. Noted Oct. 7 and 21.

Ohio, Cincinnati—Browning-King Co. will build a four-stroy building on site of old St. Nicholas Hotel at Fourth and Race St. Estimated cost, $150,000.

Ohio, Cleveland—Contract will be awarded about Feb. 15 for two-story, 70x120-ft. church for Parkhill Baptist Church, 10600 Hathaway Ave. Estimated cost, $40,000. Fulton & Butler, Uniontown, Penn., Arch.

Ohio, Cleveland—Plans prepared for additions to Cleveland Chamber of Commerce Building in Public Sq. Estimated cost, $400,000.

Ohio, Columbus—Plans being prepared by D. Riebel & Sons, Arch., New First National Bank Bldg., for 11-story hotel for Broadway Co. Estimated cost, $400,000.

Ohio, Ironton—William Bay plans office and store building at Third and Center St. Estimated cost, $50,000.

Ohio, Lakewood—(Official)—We have been informed that New York, Chicago & St. Louis R.R. does not contemplate passenger station estimated to cost, $50,000, as stated in our issue of Dec. 2 M. H. Canniff, Pres.

Ohio, Niles—Bids will be received about Feb. 15 for six-story building for Dollar Savings Bank. Estimated cost, $200,000. C. F. Ownsley, Mahoning Bank Bldg., Youngstown, Arch. W. F. Stevens, Secy and Treas. Noted Oct. 14.

Ohio, Norwood—Bids will be received until Dec. 13 by Harold Ryland, Clk. of Bd. of Education, for purchase of $45,000 bonds for new school in Norwood View. Noted Nov. 11.

Ohio, Olmsted Falls—Plans being prepared by W. H. Nicklas, Arch., 1900 Euclid Ave., Cleveland, for school. Bids will be received about Jan. 1. Estimated cost, $60,000.

Ohio, Ravenna—Bids will be received about Jan. 1 for church and sunday school for congregation of First M. E. Church. Estimated cost, $50,000. W. T. Saltzman, 426 King St., Chn. of Bldg. Com.

Ohio, Ravenna—H. W. Riddle, East Main St., plans to build a three-story, 46x100-ft. theater. Estimated cost, $60,000. J. W. Greene, 246 Grant St., Arch.

Ohio, Willoughby—Plans will be prepared by Frank C. Warner, Arch., Hippodrome Bldg., Cleveland, and E. D. Litchfield, New York, N. Y., for new buildings for Andrews Institute. Estimated cost between $800,000 and $1,000,000.

Ind., Huntington—Bids will be received about Jan. 1 for two-story, 141x183-ft. high school for Board of Education. Elmer E. Dunlap, 909 State Life Bldg., Indianapolis, Arch. Noted Dec. 2.

Ind., Indianapolis—Bids will soon be received by H. A. Bohlen & Son, Arch., 1002 Majestic Bldg., for four-story bank and office building for Meyer & Kiser. S. Meyer, 137 East Washington St., Pres.

Ind., Peru—Plans will be prepared by Schriber-Beelman Co., Second National Bank Bldg., Toledo, Ohio, for two-story city hall. Estimated cost, $125,000. Noted Nov. 18.

Ind., Terre Haute—Board of Education will build two-story McLain Grade School. Estimated cost, $115,000. Herbert Foltz, 1456 Lemcke Annex, Indianapolis, Arch.

Mich., Detroit—Plans prepared by Smith, Hinchman & Grylls, Arch., for three-story building at 765-75 East Congress St. for Michigan State Telephone Co. Estimated cost, $60,000.

Mich., Grand Rapids—Y. W. C. A. plans to construct new building. Estimated cost, $100,000.

Ill., Chicago—Plans being prepared by Schmidt, Gardner & Martin, Arch., 104 South Michigan Ave., for three-story, 90x140-ft. building for Eleanor Club. Estimated cost, $125,000.

Ill., Tuscola—Board of Education plans to build high school. Estimated cost from $125,000 to $150,000.

Ill., Urbana—Press reports state that Cleveland, Cincinnati, Chicago and St. Louis Ry. will build passenger station at Urbana. Estimated cost, $45,000. C. A. Paquete, Cincinnati, Ohio, Ch. Engr.

Wis., Green Bay—Plans being prepared by Helmle & Helmle, Arch., 805 Fergus Bldg., Springfield, Ill., for addition to St. Vincent's Hospital. Estimated cost, $50,000.

Wis., Milwaukee—(Official)—Bids will be asked in about 60 days for three-story, 85x120-ft. School of Trades for Milwaukee Board of School Directors. Estimated cost, $160,000. Van Ryn & De Gelleke, Caswell Block, Arch. Noted Dec. 2.

Wis., Milwaukee—Preliminary plans being prepared for remodeling Empire Building at Grand Ave and West Water St. for Pabst Brewing Co. Estimated cost, $75,000. Henry Danisohefsky, Mgr.

Wis., Milwaukee—Plans being prepared by C. E. Malig, Arch., Dept. of Pub. Wks., for administration building for Isolation Hospital. Estimated cost, $40,000. F. G. Simmons, Comr. of Pub. Wks.

Wis., Taycheedah—Bids will be received next spring by State Board of Control for reformatory for women. Estimated cost, $200,000. M. J. Tappins, Secy., State Bd. of Control. Noted Sept. 23.

Iowa, Des Moines—Bids will be received about Jan. 1 for three-story brick building at Fourth and Grand Ave. for Willard Dixon, 1390 Pleasant St.

Iowa, Eldora—Citizens of Independent School District voted $93,000 bonds for school.

Iowa, Harlan—Bids will be received until 2:30 p.m., Jan. 5, by B. B. McPheeters, Secy. of Bd. of Education, for high and grade school buildings. J. D. Chubb, Arch., 109 North Dearborn St., Chicago, Ill.

Iowa, Sioux City—Commissioners of Woodbury County plan to build three-story, 150x150-ft. courthouse. Estimated cost, $50,000. Henry Metz, Chn. of Bd. of Superv.

Minn., Duluth—Northern Pacific Ry. plans to build new depot.

Minn., Duluth—Holstead & Sullivan, Arch., Palladio Bldg., preparing plans for two buildings at Superior St. and 21st Ave., W., for Stack Bros. Estimated cost, $70,000.

Minn., Duluth—Contract will be awarded in about six weeks for Morgan Park School. Estimated cost, $110,000. Kelly & Williams, Duluth, Arch.

Minn., Eveleth—Tentative plans prepared by W. T. Bray, Arch., Duluth, for high school. Estimated cost, $200,000.

Minn., St. Paul—Bids will be received until 10:30 a.m., Dec. 13, by A. Hohenstein, Pur. Agt., for building Carnegie Library, No. 1.

Kan., Ottawa—G. Washburn & Son, Arch., preparing plans for three-story addition to hotel for John Nelson.

Kan., Salina—Plans will be prepared by E. O. Brostrom, Arch., 300 Brent Bldg., Kansas City, Mo., for church for St. John's Lutheran congregation. Estimated cost, $40,000.

Kan., Topeka—Plans will be prepared for junior high and grade school. Estimated cost, $70,000.

Kan., Topeka—(Official)—R. Marks, Des Moines, Iowa, informs us that proposed department store building at Eighth and Kansas Ave. will not be constructed for about one year. Noted Nov. 25.

Neb., Omaha—Plans being prepared for two-story office building for Armour & Co., South Omaha. Bids will be received about Jan. 1. Estimated cost, $70,000.

Neb., Omaha—Bids will be received by J. S. Dales, Secy. Bd. of Regents of University of Nebraska, Sta. A, Lincoln, for hospital on grounds of College of Medicine, University of Nebraska. Estimated cost, $150,000. John Latenser & Sons, 626 Bee Bldg., Arch. Noted Dec. 2.

S. D., Mitchell—G. P. Botson will start campaign to raise funds for building State Methodist Hospital. Estimated cost, for first unit, $75,000.

Mo., Plattsburg—Bids will be received by E. McWilliams, Secy. of Bd. of Education, until 2 p.m., Dec. 15, for school. Owen & Payson, Arch., 731 Scarritt Bldg., Kansas City, Mo.

Mo., St. Louis—Plans prepared by Barnett, Haynes & Barnett, Arch., for two-story, 80x140-ft. parish school for Catholic Cathedral of St. Louis. Estimated cost, $100,000. Noted Oct. 21.

Mo., Springfield—Plans being prepared by O. L. Buttner, Arch., Holland Bldg., for building on South Jefferson St. for Y. W. C. A. Estimated cost, $75,000. H. Cooper, 297 East Water St., Chn. of Bldg. Com. Noted Nov. 25.

Ark., Little Rock—Morgan Smith, Dean of Medical Dept. of University of Arkansas, is interested in a plan to build a State General Hospital.

Ark., Little Rock—Plans being considered by Church of Nazarath, 14th and John St., for new building.

Tex., Abilene—Dormitory will be constructed at Simmons College. Estimated cost, $40,000.

Tex., Austin—Plans being prepared by Atlee B. Ayres, Bedell Bldg., San Antonio, for land office building and remodeling State Capitol for the state. Estimated cost, $300,000.

Tex., Beaumont—Bids will be received until Dec. 27 by Jefferson Hotel Co., c/o Cooke & Co., Theater Bldg., Houston, for nine-story hotel at Jefferson, Laurel and Alamo St. Estimated cost, $200,000.

Tex., College Station—Bids will be received until Dec. 22 by R. Adelspeyer, Arch., for hospital at State Agriculture and Mechanical College. Estimated cost, $50,000. Noted July 29 and Aug. 19.

Tex., Greenville—Wesley College will build administration building. Estimated cost, $50,000.

Tex., Harrisburg—Bonds for $50,000 voted by Harris County School District No. 20 for schools.

Tex., Houston—Bids will be received until 2 p.m., Dec. 13, by City Secretary for building administration building for Montrose School.

Tex., Houston—Bonds for $50,000 voted for schools in School District No. 20.

Tex., Kerrville—Mountain Park Sanitarium, recently organized with $124,000 capital stock, plans to build tuberculosis sanitarium near Kerrville. C. S. Fowler, San Antonio, Interested.

Tex., Paris—Plans prepared for hotel on South Second St. Estimated cost, $45,000.

Tex., Pharr—Bond issue for $40,000 of Hidalgo County Common School District No. 4 for high school approved by Attorney General.

Tex., Wichita Falls—Plans being prepared by Field & Clarkson, Arch., for three-story building for A. F. & A. M. Estimated cost, $50,000.

Tex., Wichita Falls—Citizens voted $225,000 bonds for court house. Noted Nov. 11.

Okla., Durant—Citizens contemplate election to vote on $100,000 bonds for courthouse and jail for Bryant County.

Okla., Holdenville—Citizens voted $100,000 bonds for courthouse and jail. Noted Nov. 11.

Okla., Miami—Plans being prepared for county courthouse. Citizens recently voted $75,000 bonds for this purpose.

Okla., Okmulgee—Election will be held about Dec. 28 to vote on $150,000 bonds for county courthouse and jail.

Okla., Tulsa—Theater will be constructed by William Smith owner of Empress Theater. Estimated cost, $100,000.

Okla., Tulsa—Bids will be received until Dec. 20 by Board of Education for high school. Estimated cost, $300,000. H. O. McClure, Pres. Noted Dec. 2.

Utah, Salt Lake City—Salt Lake Terminal Co. will build station at South Temple and West Temple St. Estimated cost, $200,000.

Wash., Seattle—Plans will be prepared by Bebb & Gould, Arch., Denny Bldg., for school to be built on University Campus. Estimated cost, $150,000.

Ore., Portland—Woodmen of the World, Multnomah Camp No. 77 will erect building. Estimated cost, $65,000.

Ore., Portland—City will award contract for auditorium on Market Blk early next year. Estimated cost, $600,000. Philip H. Dater, City Engr. Noted Aug. 12 and Oct. 28.

Ore., Portland—Bids will soon be received for three-story, 83x100-ft. building at 20th and Washington St. for Labor Temple Association. Estimated cost, $105,000. Houghtaling & Dougan, 508 Henry Bldg., Arch. Noted Nov. 18.

Calif., Bakersfield—Election will be held Dec. 14 to vote on $75,000 bonds for two schools.

Calif., El Centro—Central Union High School District will award contract for high school in January. Estimated cost, $135,000. S. B. Zimmer, El Centro, Arch. Noted Oct 14.

Calif., Fresno—Bids will be received by H. E. Verble, Clk., Bd. of Trustees of Kingsburg Joint Union High School District, until 2 p.m., Dec 11, for high school.

Calif., Fresno—Bids will soon be received for edifice for Christian Science congregation. Estimated cost, $40,000. R. B. Hotchkin, Arch. Noted Aug. 12.

Calif., Riverside—Preliminary plans being prepared by Lester H. Hibbard, Arch., for citrus experiment station for University of California. Plans include director's residence, garage and shops. About $125,000 available for this purpose.

Calif., Sacramento—Revised plans being prepared by Shea & Lofquist, Arch., for William Land School on 17th., 18th., E., and F St. Estimated cost, $160,000. E. J. Carraghar, Pres. Bd. of Education.

Calif., San Leandro—Bonds for $125,000 voted for two new district schools.

Calif., Waco—Election will be held Dec. 11 to vote on $45,000 bonds for high school.

Bids In and Contracts Awarded

Mass., Boston—Contract awarded to G. A. FULLER CO. for pavilion on Charles St. for Massachusetts General Hospital. Noted Oct. 7.

Mass., Danvers—Trustees of Essex County Agricultural School awarded contract for school on Maple St. to LOUIS McALOON, North Andover, at $65,320. Noted Dec. 2.

N. Y., Buffalo—Contract for laboratory and experimental building for Pierce-Arrow Motor Car Co. at Elmwood Ave. and New York Central R.R. belt line awarded to ABERTHAW CONSTRUCTION CO., Boston, Mass. Estimated cost, $15,000.

N. Y., New York—(Borough of Bronx)—(Official)—Contract awarded to BUILDING VIOLATIONS CORPORATION, Woolworth Bldg., (Borough of Manhattan), for church at East 187th St. and Tiebout Ave., for East 187th St. United Presbyterian Congregation. Estimated cost, $40,000. Noted Sept. 30.

N. Y., New York—(Borough of Richmond)—(Official)—Contract for three-story, 75x150-ft. brick orphan asylum for Bethlehem Home awarded to C. SCHNEIDER & SON, 1251 DeKalb Ave., Brooklyn. Estimated cost, $100,000. Noted Oct. 14.

N. J., Atlantic City—(Official)—Contract for 12-story addition to St. Charles Hotel at St. Charles Pl. and Boardwalk for Newlin Haines Co., South New Jersey Ave. awarded to CRAMP & CO. Denckla Bldg., Philadelphia, Penn.

N. J., Princeton—Contract for club house for Quadrangle Club awarded to MATTHEWS CONSTRUCTION CO., Princeton. Estimated cost, $40,000.

Penn., Lebanon—Board of School Directors awarded contract for high school to BEARD CONSTRUCTION CO., Reading, at $151,333. Noted Oct. 7 and 14.

Penn., Scranton—Contract for building for First National Bank awarded to S. SYKES & SON, 218 Larch St., Scranton. Estimated cost, $190,000.

Penn., Wilkes-Barre—Contract for two-story school awarded to HERMAN MAILANDER, 169 Barney Ave., Wilkes-Barre. Estimated cost, $50,000.

S. C., Spartanburg—Contract for hotel at Morgan Sq. and King St. for Spartanburg Hotel Corporation awarded to LONGEST & TESSIER CO., Greensboro, N. C. Estimated cost, $150,000.

La., New Orleans—(Official)—Bids received Nov. 23 by Department of Public Finances for Isolation Hospital from J. A. Petty, $32,956; Lionel F. Favrot, $34,429; M. Chessi Co., $34,700. Noted Nov. 11.

Ohio, Canton—Contract awarded to INDIANA ENGINEERING AND CONSTRUCTION CO., Ft. Wayne, Ind., at $47,725 for Danlely-Worley School. Noted Nov. 11.

Ohio, Cleveland—General contract awarded to BOLTON PRATT CO. for club house for Bricklayers' Union. Estimated cost, $65,000. Noted Nov. 11.

Ohio, Cleveland—General contract awarded to SAMUEL AUSTIN & SON CO., 14230 Euclid Ave., for building for J. H. Donahey and Elbert H. Baker, Plain Dealer Bldg., to be occupied by Hudson Stuyvesant Motor Car Co.

Ohio, Cleveland—General contract awarded to ROBINSON CONTRACTING CO., Wade Bldg., for four-story, 110x120-ft. college for Western Reserve University Dental School. Estimated cost, $75,000. Noted Nov. 11.

Ohio, Cleveland—Great Western Oil Co. awarded contracts for office building to PAUL BROS., Citizens Bldg., masonry work; YOUNGER & FARMER, carpentry work. Estimated cost, $49,000.

Ind., Bloomington—Contract for gymnasium for Indiana University awarded to A. E. KEMMER, Lafayette, at $157,200. Noted Aug. 19 and Oct. 21.

Ind., Ft. Wayne—INDIANA ENGINEERING AND CONSTRUCTION CO., Ft Wayne, awarded contract for three-story, 58x220-ft. building on Harrison St. for Ft. Wayne Land and Improvement Co.

Ill., Chicago—Pennsylvania R.R. awarded contract to FULLER CONSTRUCTION CO., New York, N. Y., for four-story, 400x800-ft. freight station. Estimated cost, $1,300,000. Noted Oct. 7.

Ill., Chicago—Bids received Dec. 1 by Board of Education for building Bell School from E. Reininga, carpentry at $27,772; A. E. Anderson, masonry at $51,490; South Halsted Street Iron Works, steel at $36,461.

Wis., Milwaukee—Alfred C. Clas, Arch., awarded contract for eight-story, 120x200-ft. hotel for Harvey Bros. to DAHLMAN CONSTRUCTION CO., 914 Majestic Bldg., Milwaukee. Estimated cost, $750,000.

Minn., Minneapolis—Contract for state historical building awarded to GEORGE J. GRANT CONSTRUCTION CO., St. Paul, at $397,000.

Minn., Northfield—(Official)—Contract for chemistry building at Northfield awarded to H. N. LEIGHTON CO., Minneapolis. Estimated cost, $50,000. Noted Nov. 25.

Kan., Wichita—Contract awarded to SWENSON CONSTRUCTION CO., 625 Finance Bldg., Kansas City, Mo., for administration building for Y. M. C. A. Estimated cost, $50,000. Noted Nov. 11.

Neb., Chadron—(Official)—General contract awarded to JOHN OHLSEN & SON, Loup City, Neb., for bank and office building for C. F. Coffee and B. F. Putman. Noted Nov. 18.

Tex., Austin—(Official)—Contract for three-story high-school awarded to VAN HORN SHAW CONSTRUCTION CO., Ft. Worth, Tex., at $100,790. Noted Nov. 18.

Tex., Houston—Reinhart & Donovan, Oklahoma, at $56,000, submitted lowest bid for Taylor School. Noted Nov. 4.

Idaho, Boise—Walsh Bros. & Hannan, Girdley, Calif., at $41,874, submitted lowest bid for addition to public building.

Colo., Greeley—Lowest bid received on general contract for courthouse was that of Seerle & Varnum, at $95,400.

Ore., Echo—Contract for city hall awarded to C. H. KRANTZ, Portland, at $40,065.

Calif., Los Angeles—Contract awarded to F. O. ENGSTRUM CO., Fifth and Seator St., Los Angeles, for bank building on Spring St. for Security National Bank.

Benjamin B. Lawrence, Class of 1878 Columbia School of Mines, New York, N. Y., has purchased the Pelton-Doble waterwheel and Pelton-Francis turbine exhibits of the Pelton Water Wheel Co., San Francisco, at the exposition, and has presented the same to the above school.

John Pierce & Co., 901 West St., New York, N. Y., granite contractors, has filed a petition in bankruptcy.

The Aberthaw Construction Co. announces the removal of its offices to more commodious quarters in the newly erected Niles building, at 27 School St., Boston, Mass. Here this company will be still better equipped for handling the construction of industrial plants, dams, and similar structures.

The Burdett Oxygen Co. will complete the erection of its Ft. Worth, Tex., plant, at 23rd and Jones St., on Dec. 15, 1915. The plant is designed to supply the Texas trade with Electrolytic Oxygen 99½% pure. The Texas plant is the ninth plant erected by the Burdett Co. in the various industrial centers of the country.

E. W. Van C. Lucas, Consulting Engineer, has moved his office from the Municipal Bldg. to 111 Broadway, New York, N. Y.

Subway—The Public Service Commission on Dec. 7 awarded the contract for the installation of tracks on the White Plains extension of the Lenox Ave. branch of the existing subway to the COAST AND LAKE CONTRACTING CORPORATION, at $53,930.50. On the ground that a mistake had been made in its estimate, the corporation requested the permission of the Public Service Commission to withdraw its bid, but the latter refused. It allowed that the bidder was responsible for the error and that the usual method would be followed by awarding the contract to the lowest bidder. It is evident that the city will benefit by the award when it is noted that the next lowest bid, that of the South Eastern Construction and Engineering Corporation, was $101,205.86.

The Russian Society for Electrical Enterprises, Ltd., of Petrograd, which is concessionary of electric lighting stations in Pawlowsk, Uman, Kamenetz-Podolsk, and of tramways in Elizabethgrad and Uman has opened a branch where it is willing to entertain propositions from manufacturers in the United States on electrical machines and apparatus, insulating materials, steam and naphtha engines and water turbines, and desire to enter into relations with first-class factories in this country for Russia.

The Buffalo Foundry and Machine Co., Buffalo, N. Y., has opened an office at 1432 Whitehall Bldg., 17 Battery Pl., New York, N. Y., to take care of business in this section of the country.

Exports for the Week—Following is a statement of exports (exclusive of specie) from the port of New York, as reported by the Custom House, for the week ended December 4, with comparisons with the previous year:

	1915	1914
Exports for the week	$63,713,174	$20,061,744
Previously reported	1,601,327,622	786,351,600
Total since Jan. 1	$1,665,040,796	$806,413,344

To—	Value	To—	Value
Argentine Republic	$1,603,579	Mexico	200,455
Brazil	1,250,320	Norway	1,359,419
Bolivia	52,049	Netherlands	2,246,235
Belgium	937,132	Netherlands Poss.	135,839
British Possessions	2,994,681	Portugal	406,368
China	75	Peru	199,178
Cuba	1,987,118	Panama	509,040
Central America	164,807	Philippines	536,265
Chili	100,857	Paraguay	1,295
Colombia	249,498	Russia	5,620,036
Denmark	703,692	Russian Possessions	642,290
Danish Possessions	19,157	Scotland	436,611
England	19,721,403	Sweden	358,652
Ecuador	77,578	Spain	292,410
Egypt	242,188	Spanish Possessions	1,014
France	16,391,477	Siam	11,918
French Possessions	94,482	Santo Domingo	203,370
Germany	224,227	Switzerland	68,772
Greece	405,849	Turkey	748
Hayti	2,944	Uruguay	284,630
Ireland	553,233	Venezuela	228,774
Italy	2,105,734		
Kongo	745	Total	$63,713,174

RAILWAY, SAN FRANCISCO, CALIF.

Hetch Hetchy Project

Bids were received by the Board of Public Works, Nov. 26, for constructing a railway from Roasasco to the Hetch Hetchy Reservoir, about 67 miles, from (A) Porter Bros. Co., San Francisco; (B) F. ROLANDI, San Francisco (awarded contract); (C) MacArthur Bros. Co., and Mason & Hanger, San Francisco; (D) Tibbitts-Pacific Co., San Francisco; (E) Utah Construction Co., San Francisco; (F) Twohy Bros. Co., San Francisco. The item bids were as follows:

	A	B	C	D	E	F
161,673 cu.yd. grading, proposition No. 1, granite	$1.17	$1.05	$1.23	.....	$1.30	$1.36
376,540 cu.yd. grading, proposition No. 1, solid rock	1.07	.94	.80	.....	1.20	1.36
97,801 cu.yd., proposition No. 1, soft rock	.69	.70	.45	.....	.70	.75
372,735 cu.yd., proposition No. 1, earth	.38	.37	.30	.....	.33	.36
1,008,749 cu.yd. grading, proposition No. 2, alternate to proposition No. 1, all materials	.7943	.67	.62	.83	.93	1.04
811 lin.ft. Culverts, 12-in. corrugated iron	1.25	.98	1.20	1.50	1.505	1.30
811 lin.ft. culverts, 12-in. corrugated steel	1.25	.90	1.15	1.45	1.445	1.23
4,454 lin.ft. culverts, 24-in. corrugated iron	2.25	1.90	1.80	2.55	2.78	2.30
4,454 lin.ft. culverts, 24-in. corrugated steel	2.25	1.75	1.70	2.40	2.66	2.20
527 lin.ft. culverts, 30-in. corrugated iron	3.00	2.70	2.80	3.50	3.765	3.20
527 lin.ft. culverts, 30-in. corrugated steel	3.00	2.50	2.65	3.30	3.585	3.10
944 lin.ft. culverts, 36-in. corrugated iron	3.75	3.30	3.25	4.20	4.615	3.80
944 lin.ft. culverts, 36-in. corrugated steel	3.75	3.15	3.10	3.90	4.395	3.70
30 miles fencing, common	425.00	600.00	475.00	812.00	500.00	420.00
10 miles fencing, hog-tight	425.00	670.00	570.00	750.00	625.00	500.00
1 mile ballast, section 1, broken stone	2,700.00	2,122.80	2,535.00	3,360.00	3,000.00	2,000.00
1 mile ballast, section 1, gravel	2,250.00	1,592.10	1,335.00	1,690.00	2,250.00	2,400.00
7.4 miles ballast, section 1, selected	1,350.00	707.60	1,235.00	1,045.00	1,720.00	1,900.00
1 mile ballast, section 2, broken stone	2,700.00	1,592.10	2,535.00	3,040.00	3,000.00	2,000.00
1 mile ballast, section 2, gravel	2,250.00	1,405.20	1,310.00	1,525.00	2,250.00	2,300.00
13.7 miles ballast, section 2, selected	1,350.00	1,061.40	1,135.00	895.00	1,720.00	1,900.00
1 mile ballast, sectional, broken stone	2,700.00	1,592.10	2,535.00	2,540.00	3,000.00	2,000.00
1 mile ballast, section 3, gravel	2,250.00	1,326.75	1,285.00	1,400.00	2,250.00	2,000.00
15.2 miles ballast, section 3, selected	1,350.00	1,061.40	1,085.00	895.00	1,720.00	2,000.00
1 mile ballast, section 4, broken stone	2,700.00	1,592.10	2,535.00	2,760.00	3,000.00	2,000.00
1 mile ballast, section 4, gravel	2,250.00	1,405.20	1,285.00	1,580.00	2,250.00	2,300.00
11.7 miles ballast, section 4, selected	1,350.00	1,061.40	1,085.00	875.00	1,720.00	2,000.00
1 mile ballast, section 5, broken stone	2,700.00	2,034.35	2,535.00	2,540.00	3,000.00	2,000.00
1 mile ballast, section 5, gravel	2,250.00	1,503.65	1,285.00	1,350.00	2,250.00	2,000.00
11 miles ballast, section 5, selected	1,350.00	884.50	1,085.00	975.00	1,720.00	2,000.00
69 miles track construction	9,750.00	5,450.00	9,485.00	11,480.00	8,726.88	9,100.00
30 sets switches, frogs and switch stands	175.00	140.00	190.00	200.00	224.24	225.00
20,000 lin.ft. guard rails	1.00	.62	.50	.11	.50	.60
2,400 lb. iron point castings for guard rails	.07	.065	.09	.08	.0375	.06
25,000 rail braces	.30	.33	.32	.44	.27	.21
10,000 anti-creepers	.25	.21	.27	.27	.22	.21
10 derails	30.00	15.00	14.00	32.00	10.00	20.00
100 cattle guards	25.00	15.00	14.00	25.00	29.90	20.00
8 redwood water tanks	550.00	400.00	365.00	670.00	377.05	420.00
60,000 pounds steel oil tanks (2)	.08	.04	.08	.086	.072	.06
1 set equipment for oil tank, with gasoline engine	850.00	995.00	550.00	1,200.00	785.68	1,800.00
1 set equipment for oil tank, with steam pump	1,700.00	1,282.00	560.00	2,200.00	1,432.42	2,300.00
040070 lb. Tuolumne River bridge (2 alternatives), proposition No. 1: mSteel truss bridge, solid riveted	.052	.055	.06	.069	.05962	.0625
470,000 lb. Tuolumne River bridge (2 alternatives), proposition No. 2: Steel truss bridge, pin connected	.052	.053	.055	.067	.05786	.0575
130,00 lb. (2 alternatives) steel plate girder approaches	.052	.052	.055	.06	.05005	.055
450 M ft. b.m. trestles, lumber, erected	40.00	40.00	43.00	63.00	40.00	70.00
25,000 lb. iron in trestles	.06	.05	.05	.063	.04	.06
2,500 cu.yd. masonry, concrete	14.00	12.00	8.50	14.50	12.00	11.00
1,000 sq.yd. rubble in cement mortar	3.50	3.00	3.50	4.00	5.00	8.00
2,000 sq.yd. rubble, dry, hand laid	2.50	2.00	2.50	2.00	2.00	6.00
1,000 sq.yd. rip-rap	1.50	1.75	.65	1.00	1.00	6.00
50 miles telephone line, complete	700.00	575.00	415.00	540.00	500.00	340.00
9 miles on poles already set	250.00	380.00	245.00	112.00	114.33	100.00
10 sets station instruments, installed	25.00	16.00	25.00	50.00	16.17	20.00
Extended totals	$1,932,668	$1,800,925	$1,955,062	$1,555,376	$1,543,080	$1,810,807